

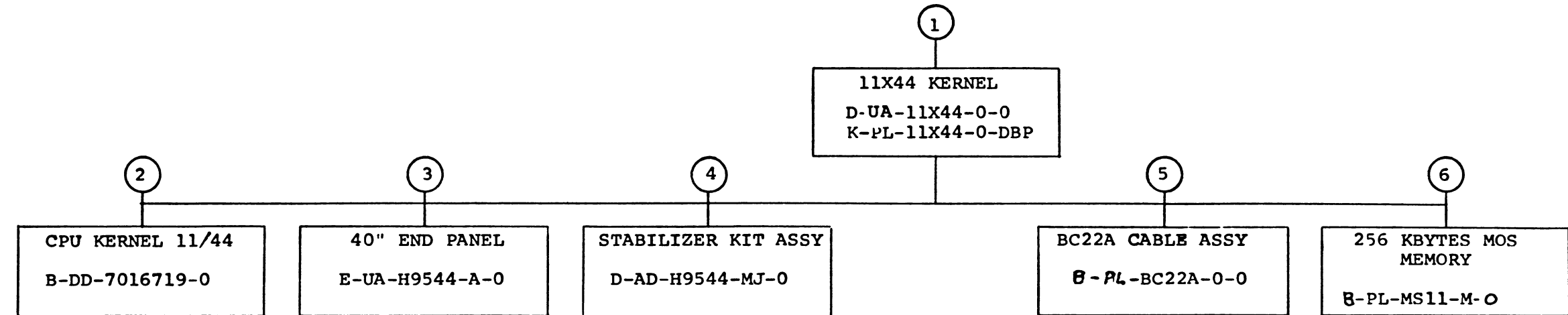
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1980. DIGITAL EQUIPMENT CORPORATION."

REVISIONS			USED ON OPTION/MODEL	DRN.	DATE	TITLE:									
REV.	CHG. NO.	DATE		P. BARTH	29 NOV 79	11X44 KERNEL									
12/3/79	INITIAL			CHK'D	DATE	SIZE B									
			PROJ. ENG.	DATE	CODE TC										
			FIELD SERV.	DATE	NUMBER 11X44-0-1										
			SHEET 1 OF 1		REV. A										

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION.

[illegible]

REVISIONS		REV.	A
CHK	CHANGE NO.	INITIAL	
USED ON OPTION/MODEL		DRN.	DATE
		H.GREKULA	1NOV79
		CHK'D.	DATE
		<i>70 H. Grekula</i>	<i>30 Nov 79</i>
		PROJ. ENG.	DATE
		<i>K. Grekula</i>	<i>4 Dec 79</i>
		PROD.	DATE
SHEET 1 OF 3		<i>M. J. P. West</i>	<i>18 JAN 80</i>
		TITLE	
		11X44 KERNEL	
SIZE	CODE	NUMBER	
B	DD	11X44-Ø	
DIST.			REV
			A



TITLE		SIZE CODE		NUMBER	REV
11X44 KERNEL		B	DD	11X44-0	A

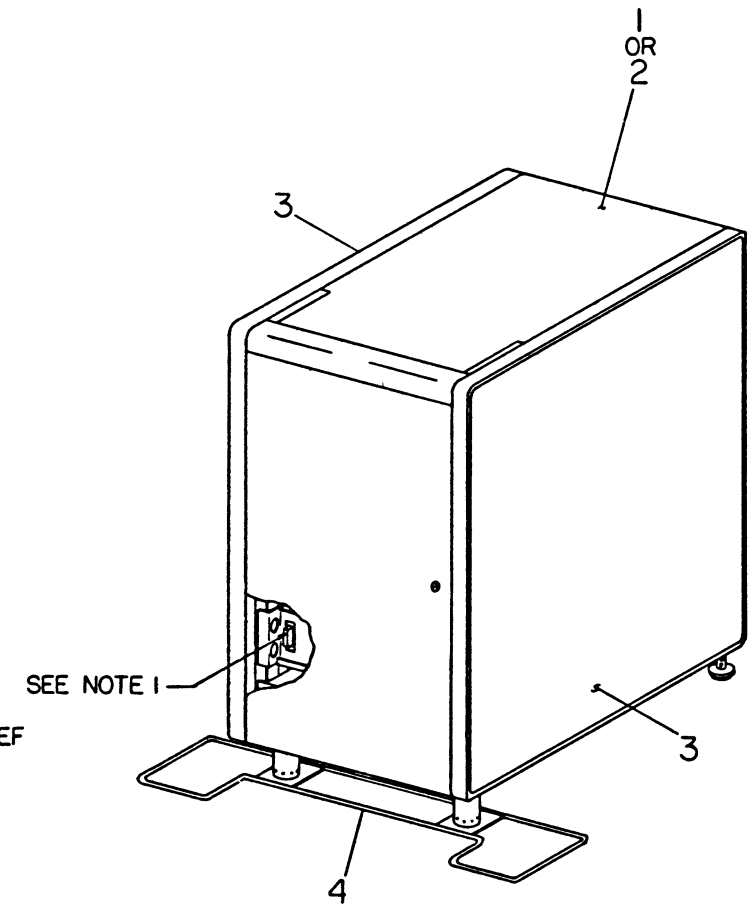
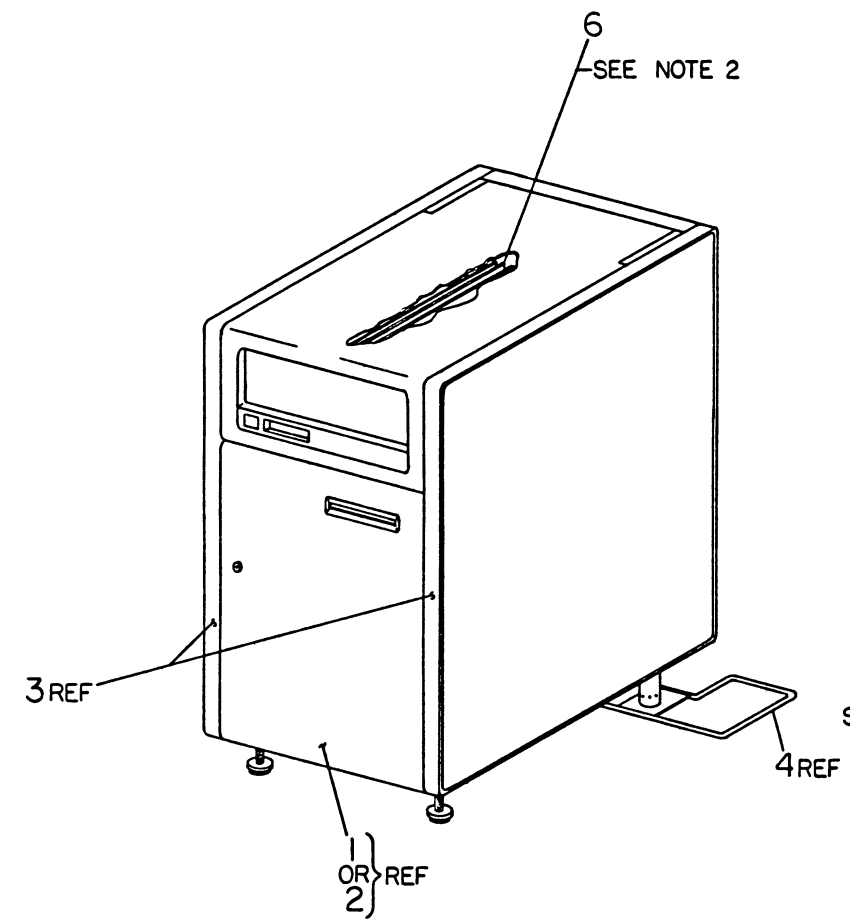
FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE		
	MP00897	11X44 KERNEL	E/M						
	B-TC-11X44-0-1	11X44 KERNEL	E/M						
1	D-UA-11X44-0-0	11X44 KERNEL	E/M						
	K-PL-11X44-0-DBP	11X44 KERNEL	E/M						
	A-SP-3700436-0-0	PACKAGING INSTRUCTIONS	M						
	B-PL-11X44-0	SHIPPING LIST	E/M						
2	B-DD-7016719-0	CPU KERNEL 11/44	E/M						
3	E-UA-H9544-A-0	40" END PANEL	M						
4	D-AD-H9544-MJ-0	STABILIZER KIT ASSY	M						
5	B-PL-BC22A-0-0	BC22A CABLE ASSY	E/M						
6	B-PL-MS11-M-0	256 KBYTES MOS MEMORY	E/M						
TYPE: E ELECTRICAL M MECHANICAL E/M ELECTRO/MECHANICAL				TITLE 11X44 KERNEL		SHEET 3 OF 3	SIZE CODE B DD	NUMBER 11X44-0	REV A



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION

LEGEND		
NUMBER	TITLE	VOLTS
11X44-CA	11X44	120
11X44-CB	11X44	240
11X44-XX	11X44	120
11X44-XY	11X44	240

- NOTES:
- CABLE (ITEM 5) FROM CONNECTOR SHOWN TO CONSOLE TERMINAL.
 - MEMORY MODULE (ITEM 6) PLUGS INTO SLOT 9 OF 11/44 CPU BACKPLANE.



FOR PARTS LIST SEE K-PL-11X44-0-DBP

DESCRIPTION	DRAWING NO.	PART NO.	ITEM NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)							
INCHES TOLERANCES X = ± .1 XX = ± .02 XXX = ± .005	ANGLES OF 90° SURFACE QUALITY MICROINCHES	APPLICABLE DIMENSION RANGE (CHECK ONE)					
		DIMENSION RANGE IN INCHES					
		OVER 0.2 TO 0.2	OVER 0.2 TO 0.2	OVER 0.2 TO 0.2	OVER 0.2 TO 0.2	OVER 0.2 TO 0.2	OVER 0.2 TO 0.2
		± .004	± .005	± .012	± .016	± .024	± .04
THIRD ANGLE PROJECTION	DATE 31 OCT 1979	TITLE 11X44 KERNEL		DOCUMENT NUMBER D 11X44-0-0			REV. A
DO NOT SCALE DRAWING	DATE 11/19/79	DATE 11/19/79		DATE 11/19/79		DATE 11/19/79	
REMOVE BURRS AND BREAK SHARP CORNERS	DATE 11/19/79	DATE 11/19/79		DATE 11/19/79		DATE 11/19/79	
MATERIAL SEE PARTS LIST	DATE 11/19/79	DATE 11/19/79		DATE 11/19/79		DATE 11/19/79	
FINISH	DATE 11/19/79	DATE 11/19/79		DATE 11/19/79		DATE 11/19/79	

8-00-11X44-0

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION			
					CA	CB	XX	XY
1	1	E-AD-7016719-0-0	7016719-00	CPU KERNEL 11/44 120V	1	-	1	-
2	2	E-AD-7016719-0-0	7016719-01	CPU KERNEL 11/44 220V-240V	-	1	-	1
3	3	E-UA-H9544-A-0	H9544-AA	40"END PANEL,GREY FRAME,DARK BRO	2	2	-	-
4	4	D-AD-H9544-MJ-0	H9544-MJ	STABLIZER KIT ASSY.	1	1	-	-
5	5	B-PL-BC22A-0-0	BC22A-25	BC22A-10 EXCEPT 25 FT	1	1	-	-
6	6	B-PL-MS11-M-0	OMS11-MB	256 KBYTES MOS ECC MEMORY(M8722-	1	1	-	-
7	7	A-SP-3700436-0-0	3700436-00	PKG CAB H9642/H9645/H9646	REF	REF	REF	REF

REVISION HISTORY			BASIC PART NO: 11X44		P.B.		DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	MARINA PANZICA	DATE: 21-NOV-79				
---	INITIAL	A	SECTION. VARIATION INDEX	CHK'D:	F.H. KEYES JR.	DATE: 21-NOV-79	TITLE		PARTS LIST	
			[A] CA,CB,XX,XY				11X44 KERNEL			
			[B]	DES.ENG.:	KEN BANKER	DATE: 21-NOV-79				
			[C]	RESP.ENG.:	KEN BANKER	DATE: 21-NOV-79	DOCUMENT NUMBER			
			[D]				SIZE	CODE	NUMBER	REV
			[E]	MFG.ENG.:	NORM POLLITT	DATE: 21-NOV-79	K	PL	11X44-0-DBP	A
			[F]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
				D-UA-11X44-0-0		#B-DD-11X44-0	Z1066A.PLS		15	
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION										

digital PARTS LIST				QUANTITY / VARIATION												NOTES:			
DRN. P. BARTH DATE 29NOV79		DES. ENG. K. BANKER DATE		MFG. ENG. NORM POLLITT		11X44-CA	11X44-CB	11X44-XX	11X44-XY										
CHK'D. F. KEYES DATE 29NOV79		RESP. ENG. K. BANKER DATE		NEXT HIGHER DOC.															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION															REFERENCE DESIGNATORS	
1	B-TC-11X44-0-1	MP00897	11X44 KERNEL PRINT SET	1	1	1	1												
2		ZJØ14-FR	11/44 BASIC CPU KIT (FICHE)	1	1	1	1												
3		EK-MS11M-UG	MS11-MB USER'S GUIDE	1	1	1	1												
4		EK-ØTU58-UG	TU58 TAPE SUB-SYSTEM USER GUIDE	1	1	1	1												
5		EK-11Ø44-UG	11/44 SYSTEM USER GUIDE	1	1	1	1												
6		ZJ014-PB	11/44 BASIC CPU KIT (PAPER TAPE)	1	1	1	1												
7		ZJ287-FR	TU58 KIT (FICHE)	1	1	1	1												
8		ZJ287-PB	TU58 KIT PAPER TAPE	1	1	1	1												
ECO NO.																			
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION			TITLE SHIPPING LIST (11X44 KERNEL)		ASSY. NO.		SIZE B	CODE PL	NUMBER 11X44-0		REV. A								
					SECTION 1 OF 1		SHEET 1 OF 1												

FIELD MAINTENANCE PRINT SET

TABLE OF CONTENTS

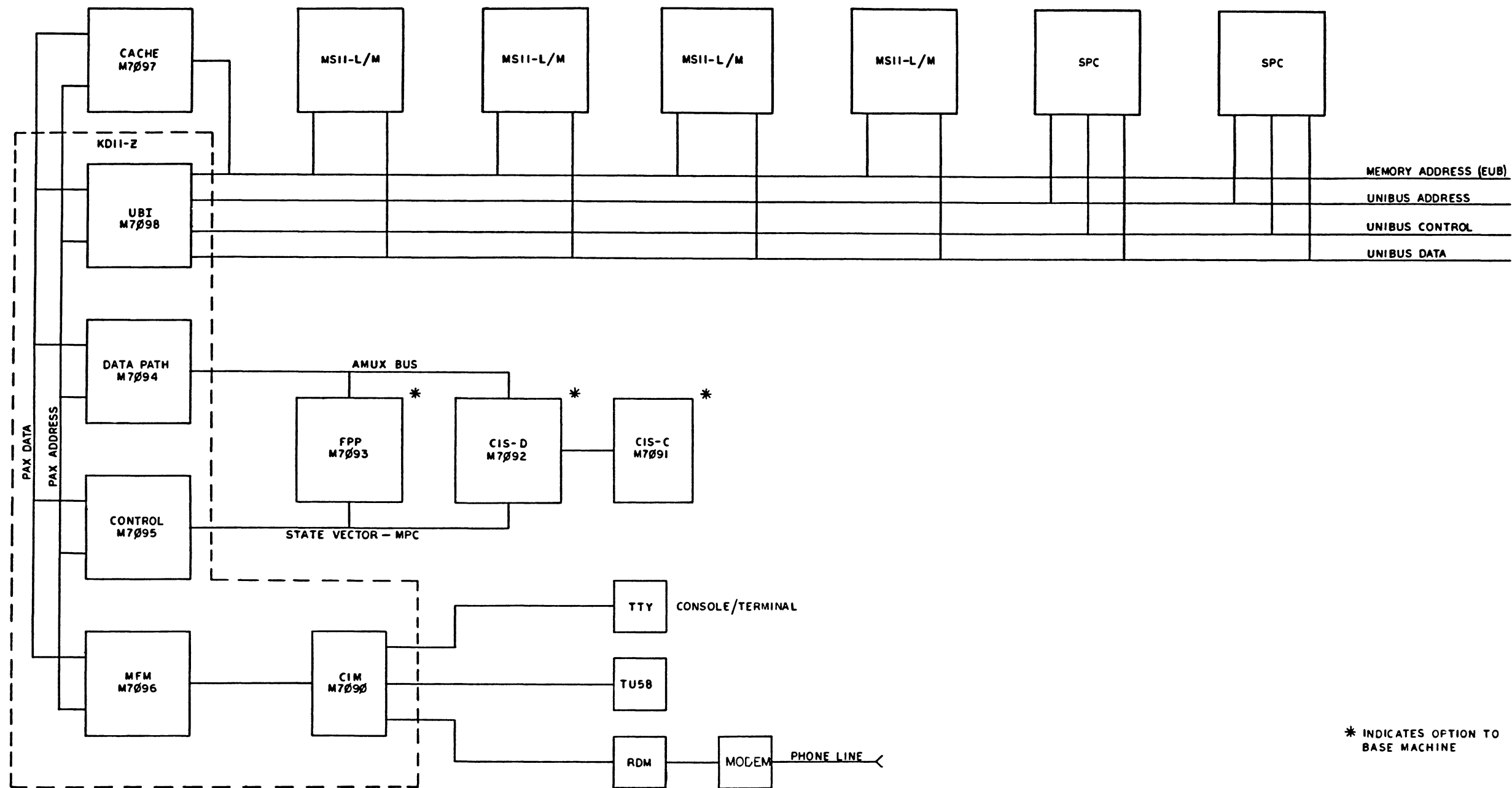
B-BD-11/44-0-2	Processor Diagram
MP00812	Field Maintenance Print Set (KD11-Z)
MP00811	Field Maintenance Print Set (KK11-B)
MP00832	BA11-A Box Assy.
E-UA-11/44-0-0	11/44 Unit Assy.
C-PL-11/44-0-0	11/44 Parts List
B-PL-11/44-0-4	11/44 Shipping list.
D-AH-M9302-0-5	Unibus Terminator
D-CS-M9302-0-1	Unibus Terminator Circuit Schematic
D-AH-G727-0-5	Grant Continuity
D-CS-G727-0-1	Grant Continuity Circuit Schematic
E-AD-7016501-0-0	Console/Bezel Assy
C-IA-7422428-0-0	Loop Back Connector
D-IA-BC44A-0-0	Filtered Cable Assy
C-PS-1213304-0-0	Ground Inductor
B-IA-7422393-0-0	Wire Assy
D-AD-7016487-0-0	CIM Cable Assy
D-IA-BC03M-0-0	BC03M Null Modem Cable
D-IA-BC44B-0-0	Cable Adapter (to EIA RS422 & RS423)
D-IA-BC44C-0-0	Cable Adapter (to 20 MA)
D-IA-BC44D-0-0	Cable Assy. TU58

[illegible]

**Field Maintenance
Print Set
11/44 SYSTEM
Digital Equipment
Corporation
MP00809**

[illegible]

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF EQUIPMENT WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION



DRN <i>P. J. Law</i>	SYNOPSIS	FIRST USED ON	<i>digital</i>
CHK'D		TITLE	
ENG.			
PROJ. ENG.			
PROD. <i>P. J. Law</i>			
NEXT HIGHER ASSY.			
B-00-11/44-0-2	SIZE	CODE	NUMBER
SCALE	D	BD	11/44-0-2
SHEET 1 OF 1	DIST.		REV. *

REV.	
CHANGE NO.	
CHE	

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION "

TABLE OF CONTENTS

D-AD-7016502-0-0	11/44 BACKPLANE ASSEMBLY
D-MU-KD11-Z-4 (do not ship)	MODULE UTILIZATION (KD11-Z)
D-FD-KD11Z-0-2	FLOW DIAGRAM
D-UA-M7090-0-0 (1st Sheet Only)	CONSOLE INTERFACE
D-CS-M7090-0-1	CIRCUIT SCHEMATIC
K-PL-M7090-0-0	PARTS LIST
D-UA-M7094-0-0 (1st Sheet Only)	DATA PATH
D-CS-M7094-0-1	CIRCUIT SCHEMATIC
K-PL-M7094-0-0	PARTS LIST
D-UA-M7095-0-0 (1st Sheet Only)	CONTROL BOARD
D-CS-M7095-0-1	CIRCUIT SCHEMATIC
K-PL-M7095-0-0	PARTS LIST
D-UA-M7096-0-0 (1st Sheet Only)	MFM
D-CS-M7096-0-1	CIRCUIT SCHEMATIC
K-PL-M7096-0-0	PARTS LIST
D-UA-M7098-0-0 (1st Sheet Only)	UBI
D-CS-M7098-0-1	CIRCUIT SCHEMATIC
K-PL-M7098-0-0	PARTS LIST

[illegible]

**Field Maintenance
Print Set**
KDI I-Z

**Digital Equipment
Corporation**
MP00812

[illegible]

TW

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION

NOTES:

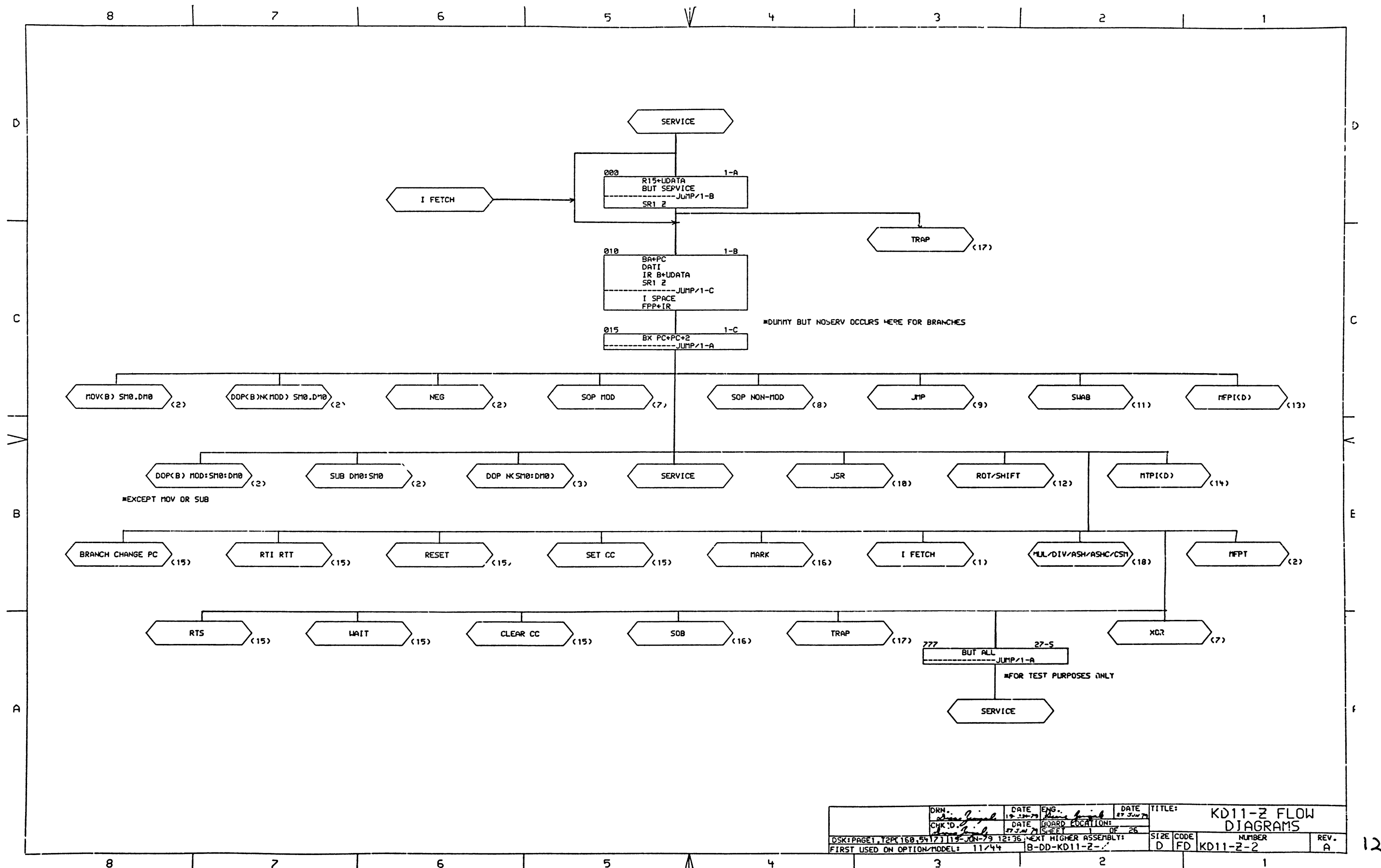
1. CAUTION: ANY CHANGE TO THIS BACKPLANE ASSY WILL EFFECT THE 1144-T BACK PLANE ASSY (TEST EQUIPMENT DWG WO*E-AD-9505537-0-0 AND MUST BE CHANGED ACCORDINGLY.

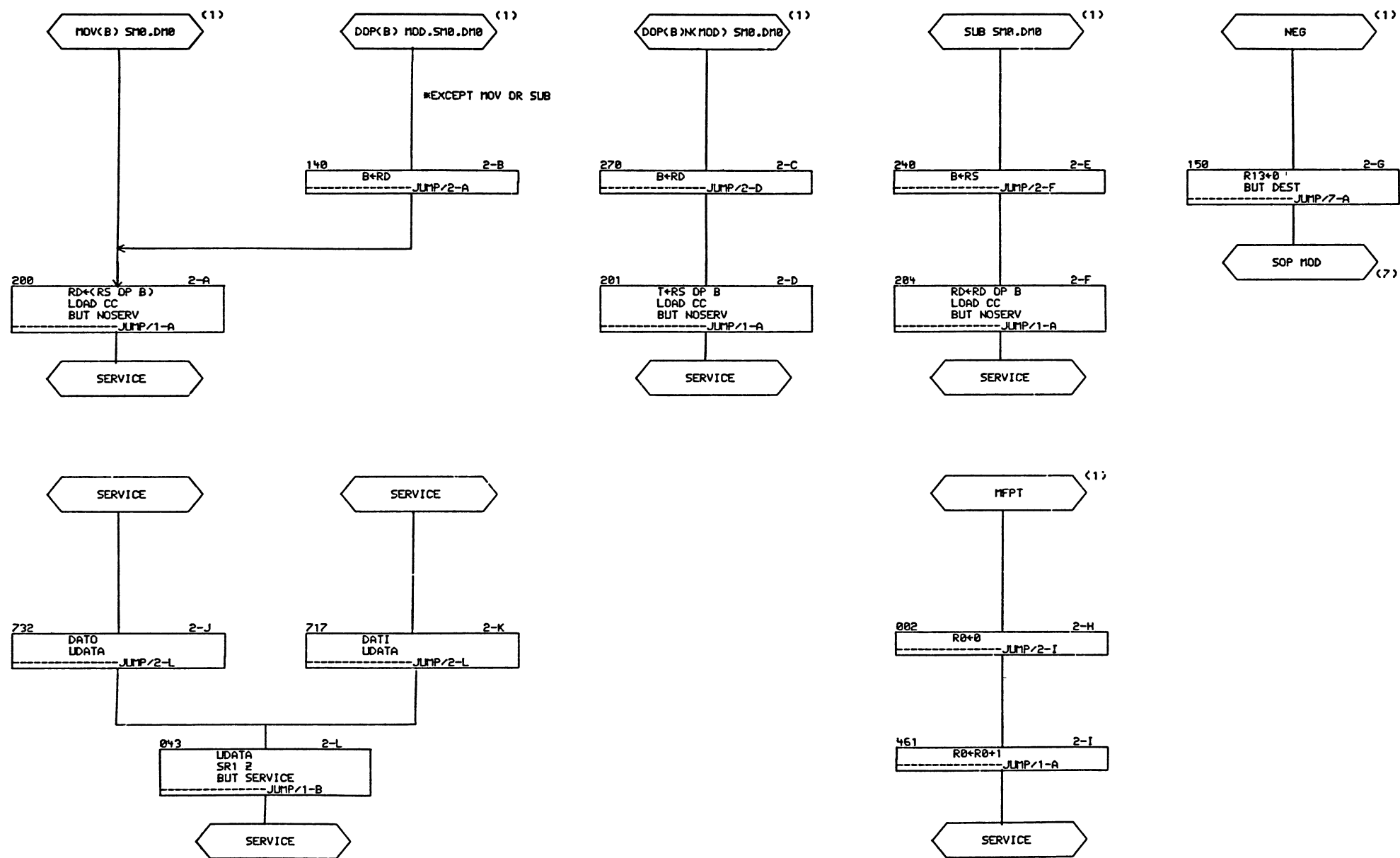
REF	WIRE LIST 11/44	K-WL-7016502-0-2	11
4	EYELET	9000024-01	10
2	STRAIN RELIEF	B-MD-7423055-0-0	9
1	FLEX CABLE	1700167-00	8
2	POWER CABLE	1700171-00	7
1	DECAL	A-DC-7411881-1-0	6
24	SCREW #8-32 x .62 POSIDRIVE	9006120-06	5
6	CONN 72 PIN	1211425-02	4
9	CONN 288 PIN	1210258-01	3
1	11/44 BACK PLANE, MODULE	5413593-00	2
1	LOGIC FRAME	E-MD-7422423-01	1

DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES 90° 30°		CLASS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY	IN	MEDIUM ☒		OVER 0 TO 12.0	OVER 12.0 TO 40.0
		PREFERRED ☐		±.004 ±.008 ±.012	±.004 ±.008 ±.012 ±.016 ±.020 ±.024 ±.028 ±.032 ±.036 ±.040 ±.044 ±.048 ±.052 ±.056 ±.060 ±.064 ±.068 ±.072 ±.076 ±.080
MICROINCHES		PREFERRED ☐		±.012	±.016 ±.020 ±.024 ±.028 ±.032 ±.036 ±.040
DRN 9-8-74		8DC78		FIRST USED ON 11/44	
CHKD <i>[Signature]</i>		1-28-74		digital	
ENG <i>[Signature]</i>		1-28-74		TITLE	
PROJ. ENG. <i>[Signature]</i>		1-29-74		11/44 BACKPLANE	
PROD. <i>[Signature]</i>		1-29-74		ASSEMBLY	
NEXT HIGHER ASSY.					
9-PL-K011-2-0					
SCALE 1:1		SIZE D		NUMBER 7016502-0-0	
SHEET		OF		REV. B	
DIST		AD			

THIRD ANGLE PROJECTION	QUANTITY & VARIATION
REMOVE BURRS AND BREAK SHARP CORNERS	DO NOT SCALE DWG
MATERIAL SEE PARTS LIST	FINISH

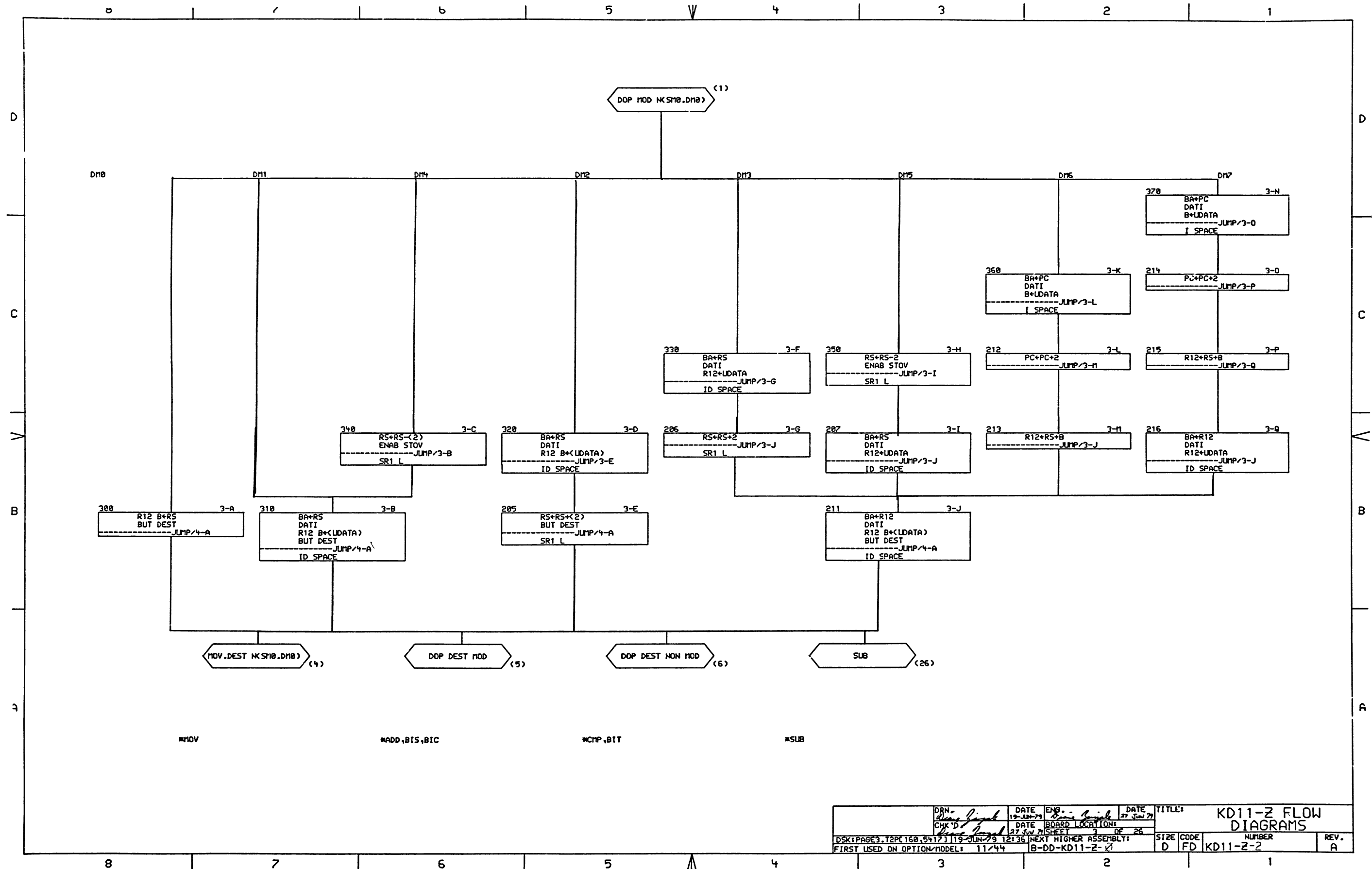
DRN S.R.F. 11/44	CHKD P.K. 11/44	ENG M. Renda 11-29-79	PROJ. ENG. 11-29-79	PROD. 11-29-79
NEXT HIGHER ASSY.				
B-PL-K011-2-0				
SCALE 1:1				
SHEET OF DIST.				
FIRST USED ON 11/44				
TITLE 11/44 BACKPLANE ASSEMBLY				
SIZE CODE NUMBER REV.				
D AD 7016502-0-0 B				
TWO 1				





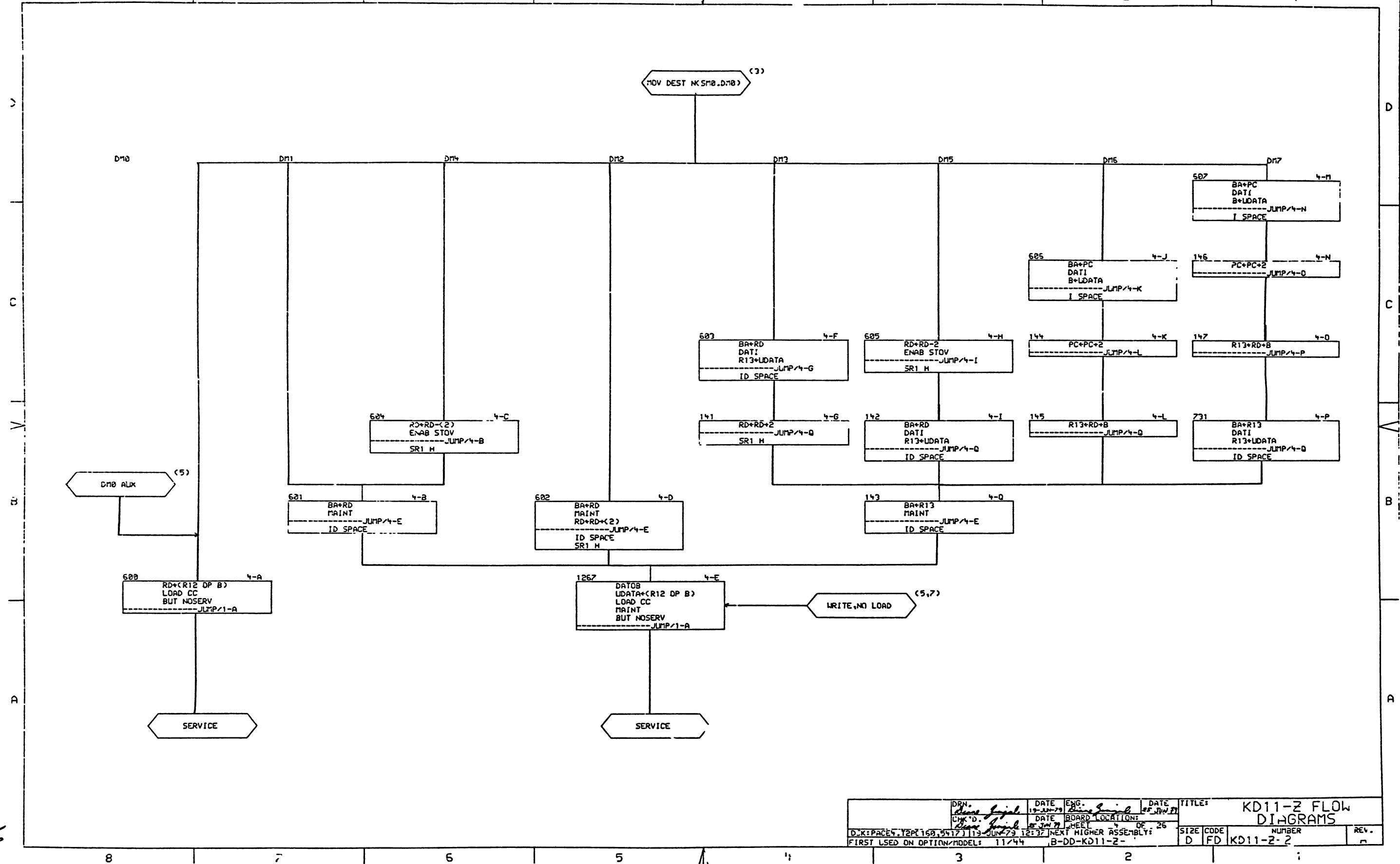
MFPT DATA TRAN STEPS

DRN.	DATE	ENG.	DATE	TITLE
CHK'D.	DATE	BOARD LOCATION	SHEET	OF 26
DSK:PAGE2.T2P160.54171118-JUN-79 12:36				NEXT HIGHER ASSEMBLY:
FIRST USED ON OPTION/MODEL: 11/44				B-DD-KD11-Z-0
SIZE	CODE	NUMBER	REV.	
D	FD	KD11-Z-2	A	

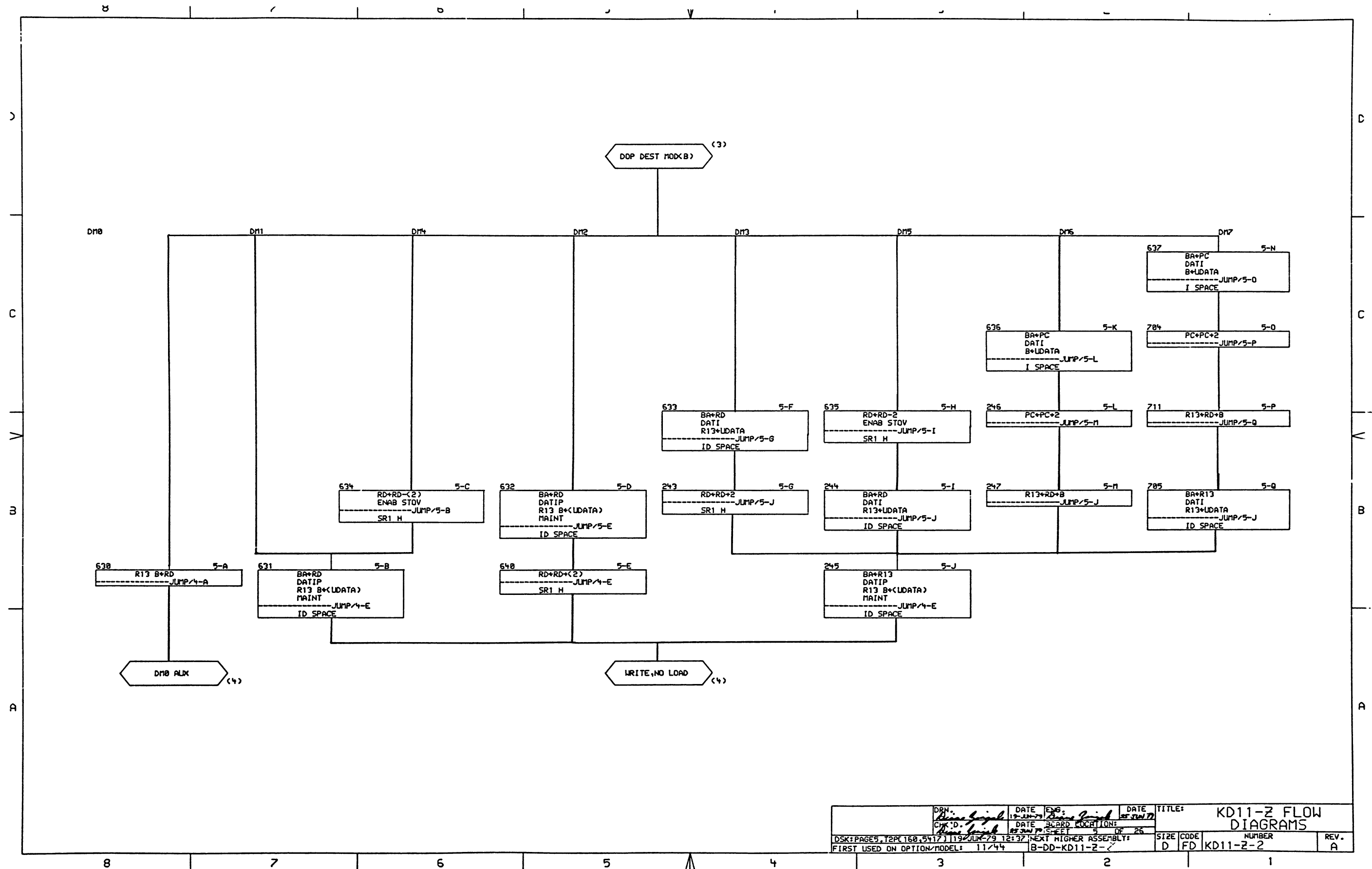


DRN: <i>Steve J. Smith</i>	DATE: 19 JUN 79	ENG: <i>Steve J. Smith</i>	DATE: 27 JUN 79	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D: <i>Steve J. Smith</i>	DATE: 27 JUN 79	BOARD LOCATION: 3	OF 26	
DSK: PAGE 3.12 PL 160.54173 19 JUN 79 12:36				NEXT HIGHER ASSEMBLY: B-DD-KD11-2-2
FIRST USED ON OPTION/MODEL: 11/44				
SIZE: D	CODE: FD	NUMBER: KD11-2-2	REV. A	

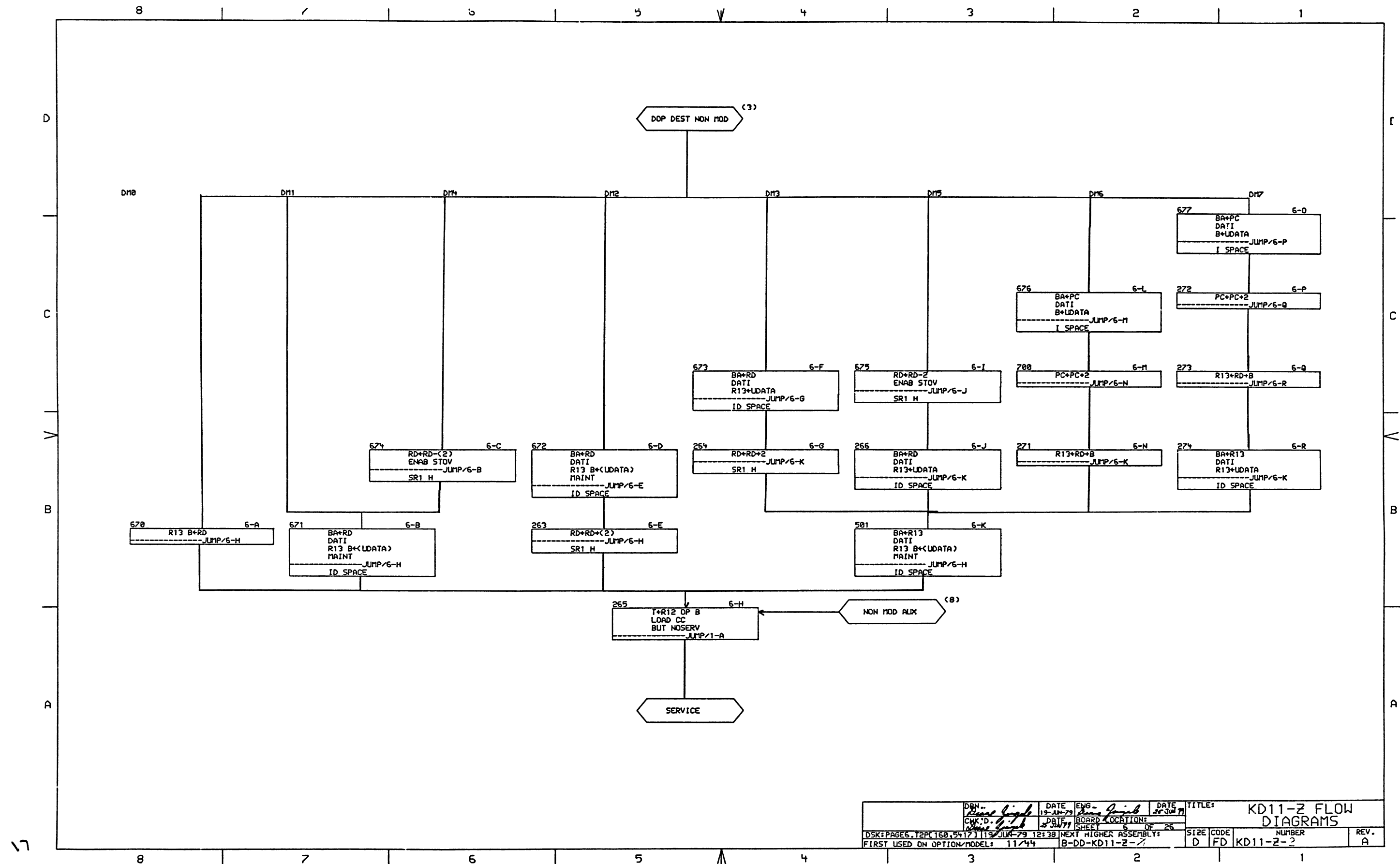
15



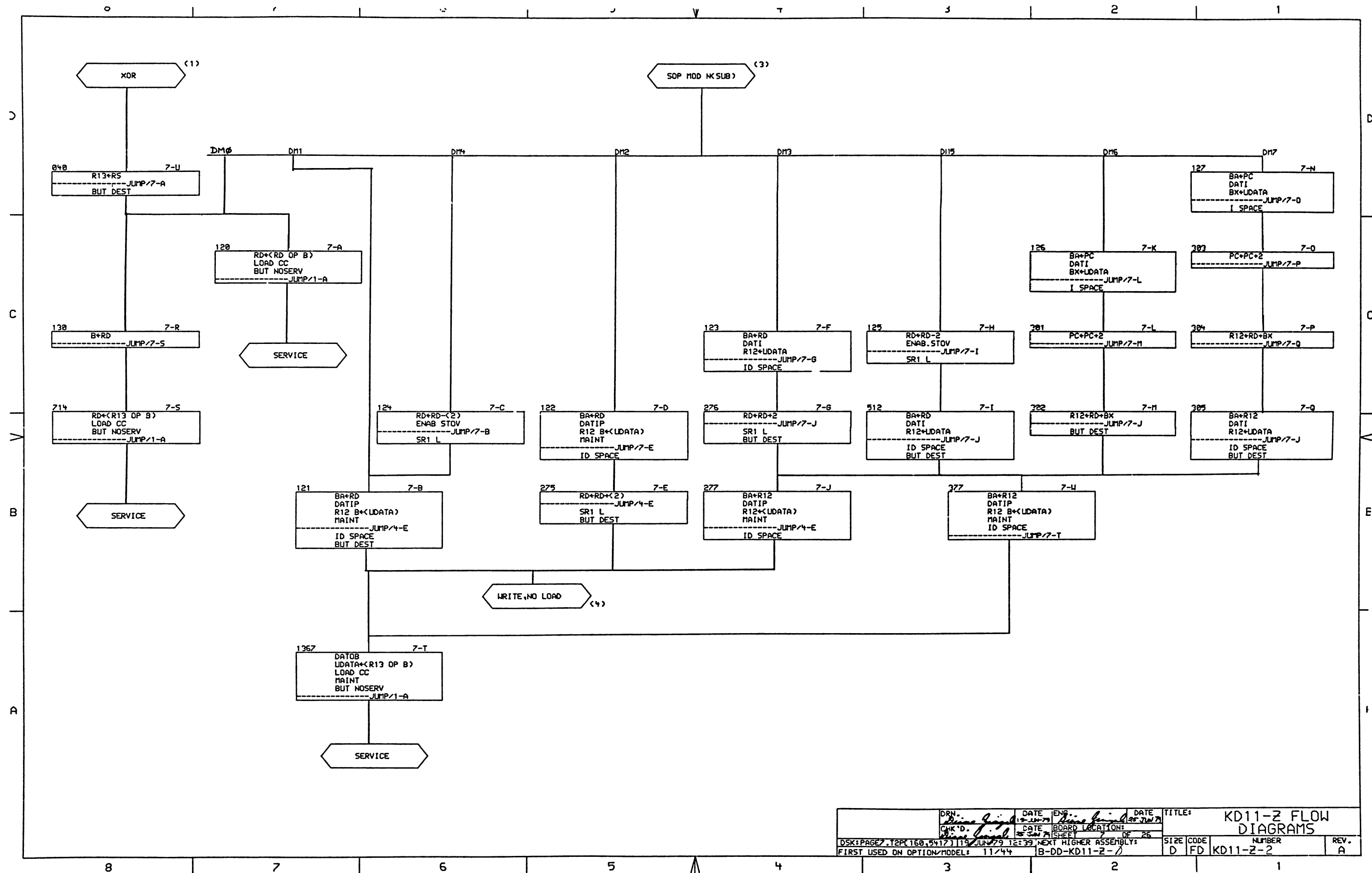
DRN. <i>James J. J.</i>	DATE <i>12-27-79</i>	ENG. <i>James J. J.</i>	DATE <i>12-27-79</i>	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D. <i>James J. J.</i>	DATE <i>12-27-79</i>	BOARD LOCATION: <i>11/44</i>	SIZE CODE: <i>D</i>	NUMBER: <i>FD</i>
FIRST USED ON OPTION/MODEL: <i>11/44</i>				REV. <i>1</i>



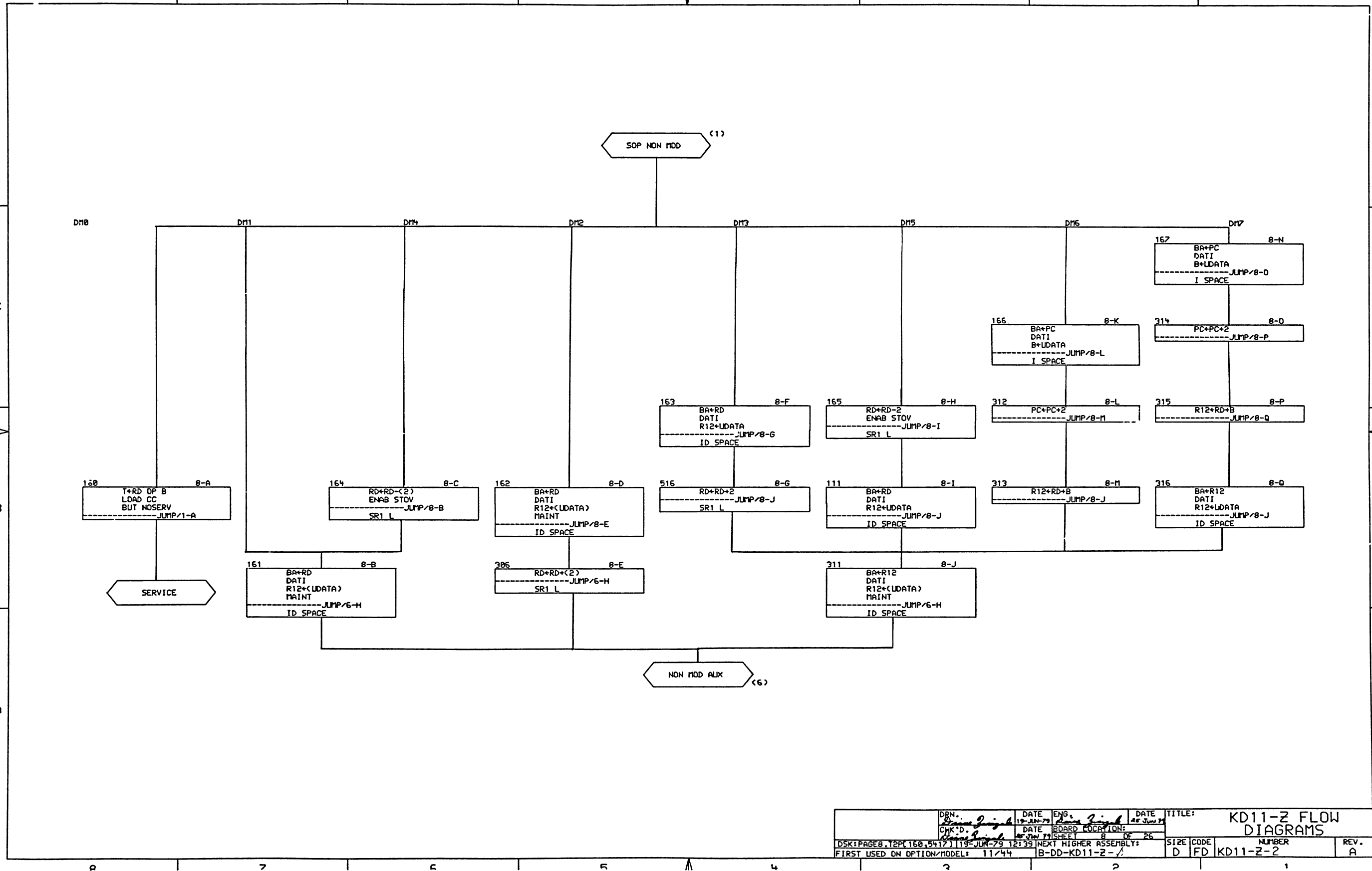
DRN. <i>David Smith</i>	DATE <i>15 JUN 79</i>	DATE <i>15 JUN 79</i>	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D. <i>David Smith</i>	DATE <i>15 JUN 79</i>	DATE <i>15 JUN 79</i>	REV. A
DSK: PAGE 5, 72 PCL 160, 54171119 JUN 79 12:37	NEXT HIGHER ASSEMBLY: 11/44 B-DD-KD11-Z-2		
FIRST USED ON OPTION/MODEL:	11/44	B-DD-KD11-Z-2	REV. A



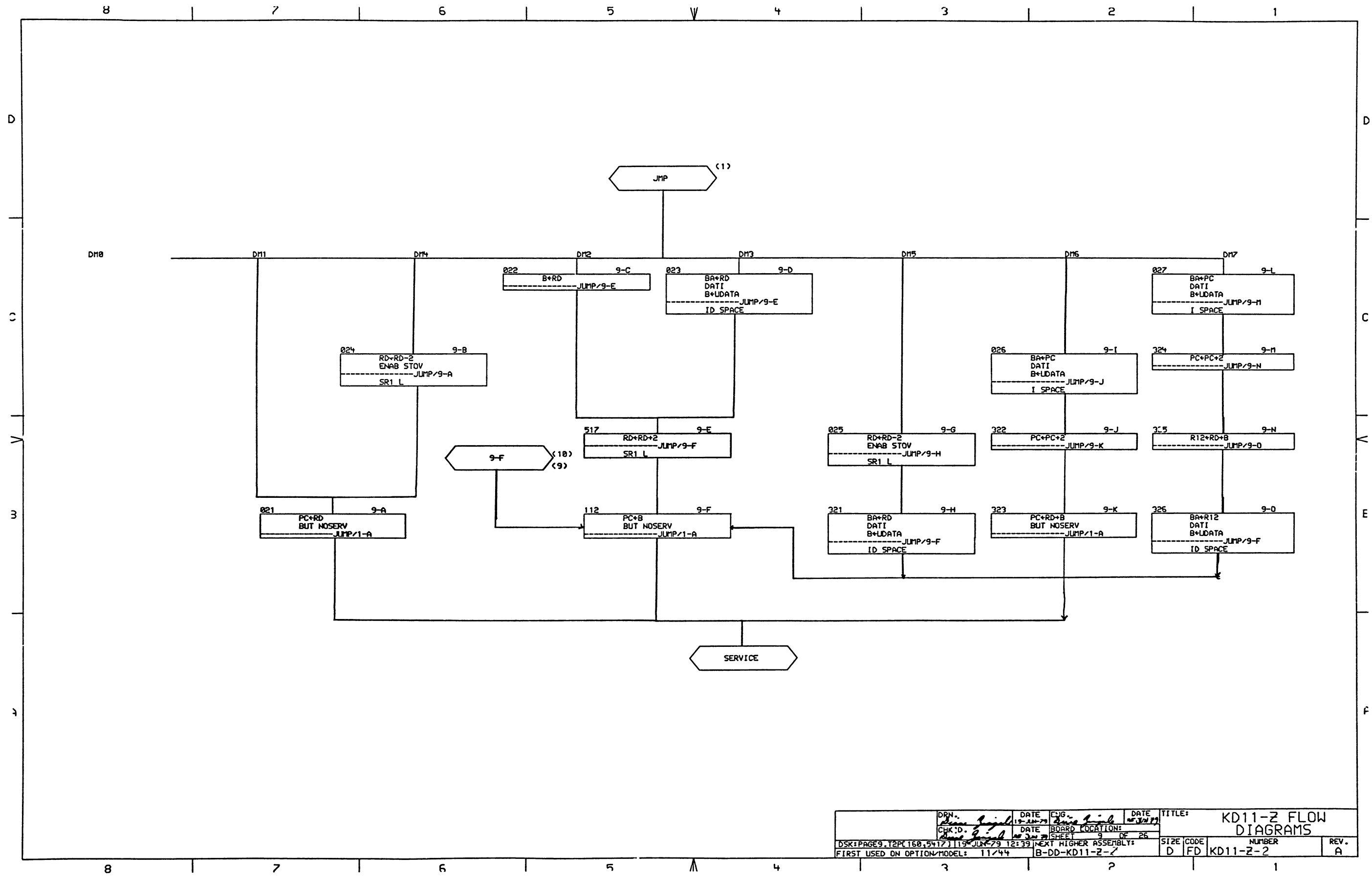
DRN: <i>James G. Smith</i>	DATE: 19 JUN 79	ENG: <i>James G. Smith</i>	DATE: 25 JUN 79	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D: <i>James G. Smith</i>	DATE: 25 JUN 79	BOARD LOCATION: 6	OF: 26	SIZE CODE: D FD
DSK: PAGE 6.12 PC 160,5417 119 JUN 79 12:38				NUMBER: KD11-Z-2
FIRST USED ON OPTION/MODEL: 11/44				REV: A



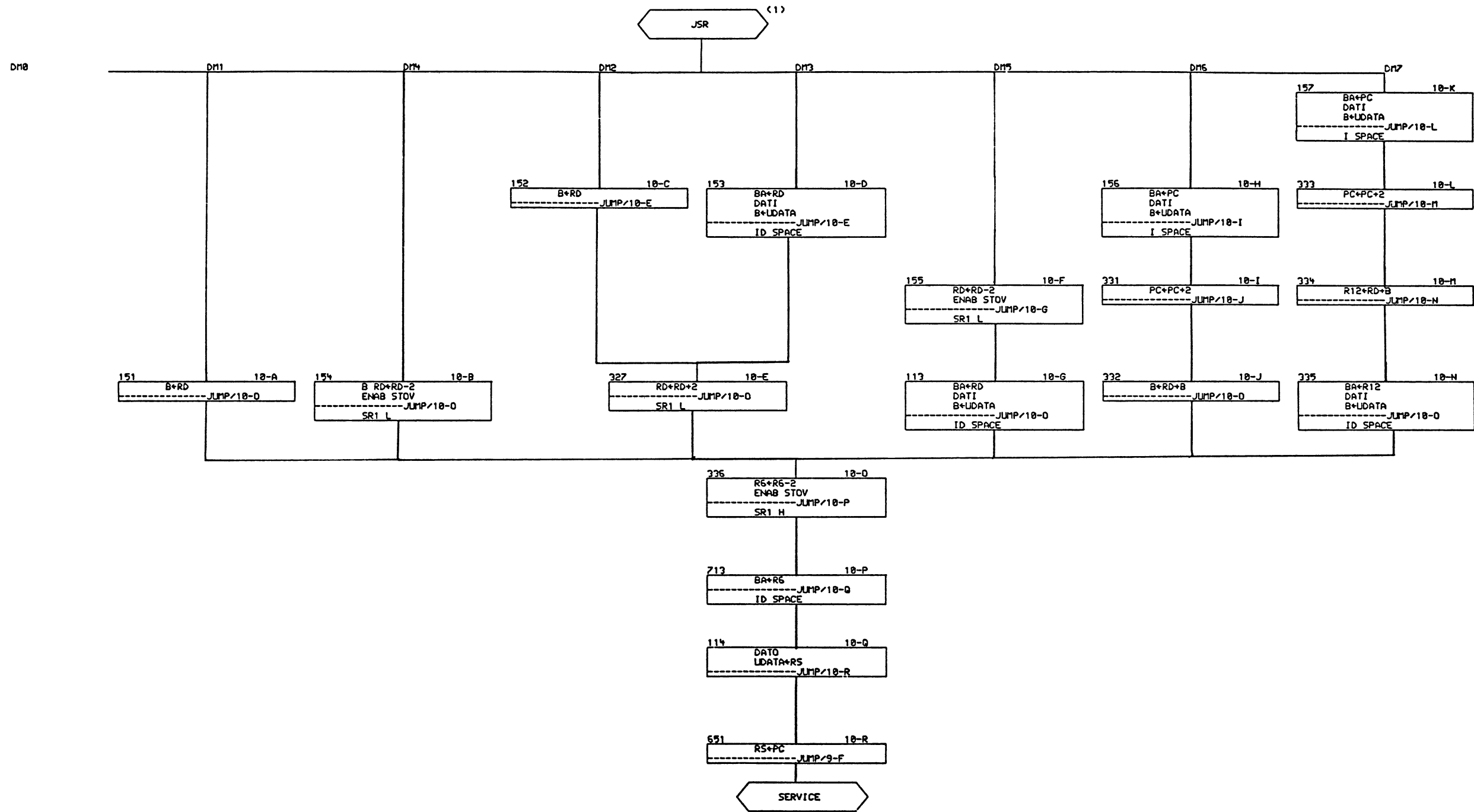
DRN. <i>David J. ...</i>	DATE <i>12-11-79</i>	ENG. <i>David J. ...</i>	DATE <i>12-11-79</i>	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D. <i>David J. ...</i>	DATE <i>12-11-79</i>	BOARD LOCATION: <i>7</i>	OF <i>25</i>	SIZE CODE NUMBER REV. D FD KD11-Z-2 A
DSK:PAGE7.T2P160.54171119 JUN 79 12:39 NEXT HIGHER ASSEMBLY: B-DD-KD11-Z-2				
FIRST USED ON OPTION/MODEL: 11/44				



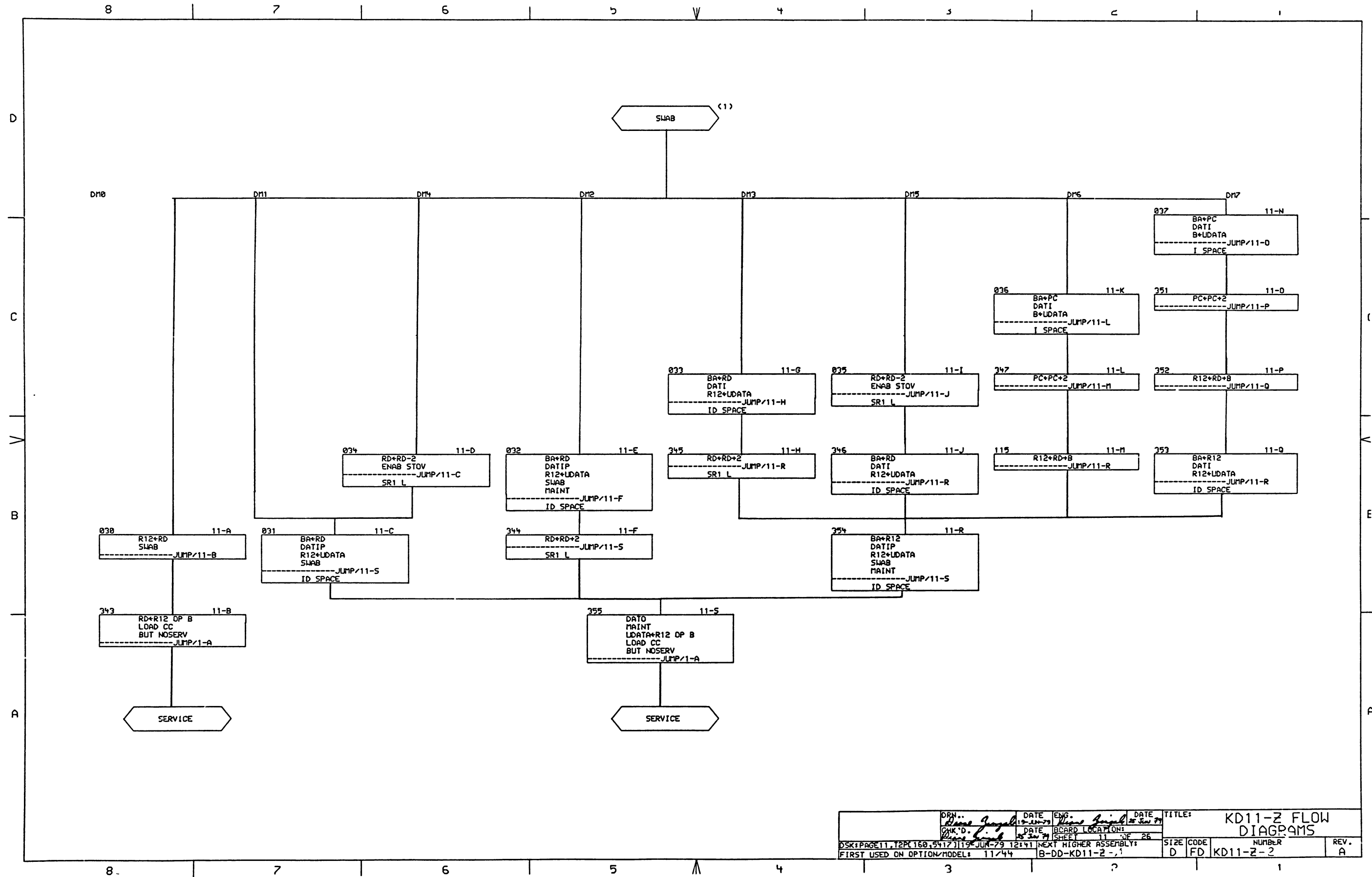
DRN.	DATE	ENG.	DATE	TITLE:	KD11-Z FLOW DIAGRAMS		
CHK'D.	DATE	BOARD LOCATION:	DATE	SIZE	CODE	NUMBER	REV.
11/44	11/44	11/44	11/44	D	FD	KD11-Z-2	A
FIRST USED ON OPTION/MODEL:				NEXT HIGHER ASSEMBLY:			
11/44				B-DD-KD11-Z-1			



DRN. <i>Don't forget</i>	DATE <i>11-11-79</i>	DATE <i>11-11-79</i>	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D. <i>Don't forget</i>	DATE <i>11-11-79</i>	DATE <i>11-11-79</i>	SIZE CODE D FD
DSK: PAGE 9, 12 PC 160, 5417119 JUN 79 12:39 NEXT HIGHER ASSEMBLY: 11/44			NUMBER 9 OF 26
FIRST USED ON OPTION MODEL: 11/44			REV. A

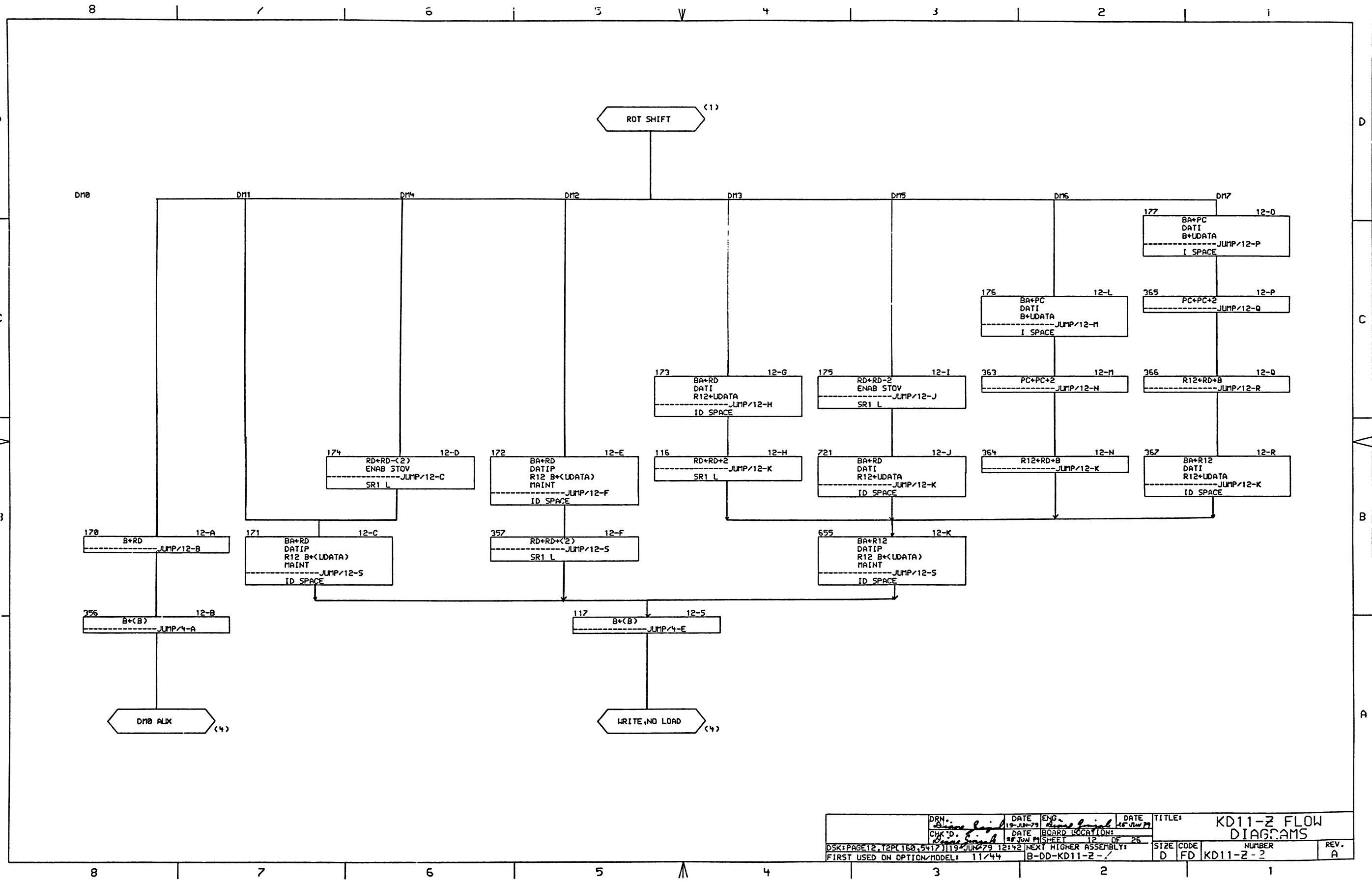


DESIGNED BY: <i>James G. Smith</i>	DATE: 15 JAN 79	ENG. BY: <i>James G. Smith</i>	DATE: 28 JUL 79	TITLE: KD11-Z FLOW DIAGRAMS
CHECKED BY: <i>James G. Smith</i>	DATE: 15 JAN 79	BOARD LOCATION: 10 OF 26	SIZE: D	CODE: FD
SKETCHED BY: <i>James G. Smith</i>	DATE: 15 JAN 79	NEXT HIGHER ASSEMBLY: B-DD-KD11-Z	NUMBER: KD11-Z-2	REV.: A
FIRST USED ON OPTION/MODEL: 11/44				

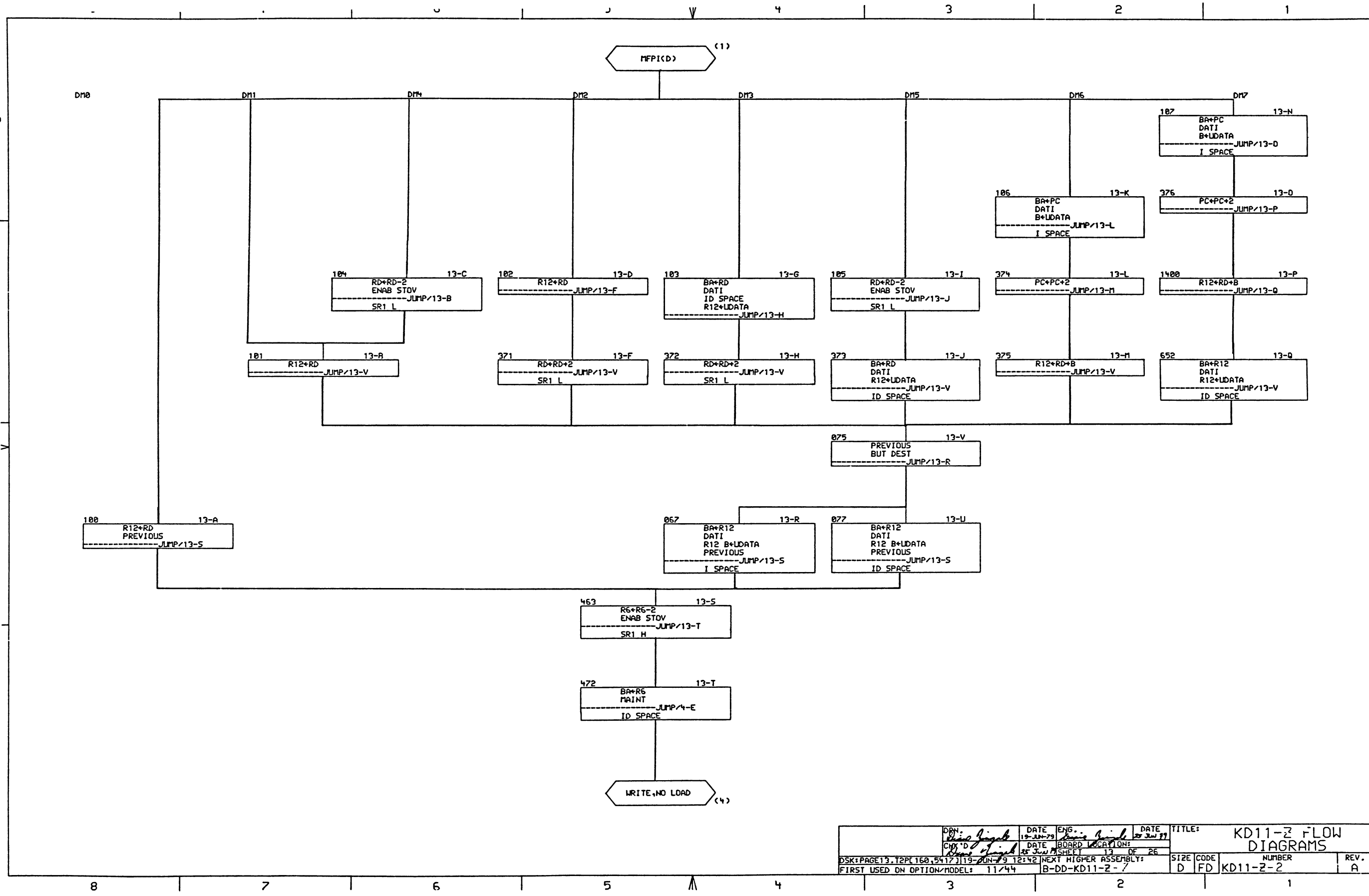


DRN..	DATE	ENG.	DATE	TITLE:	KD11-Z FLOW DIAGRAMS			
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER	REV.
11/44	11/44	11/44	11	26	D	FD	KD11-Z-2	A
FIRST USED ON OPTION/MODEL: 11/44				NEXT HIGHER ASSEMBLY: B-DD-KD11-2				

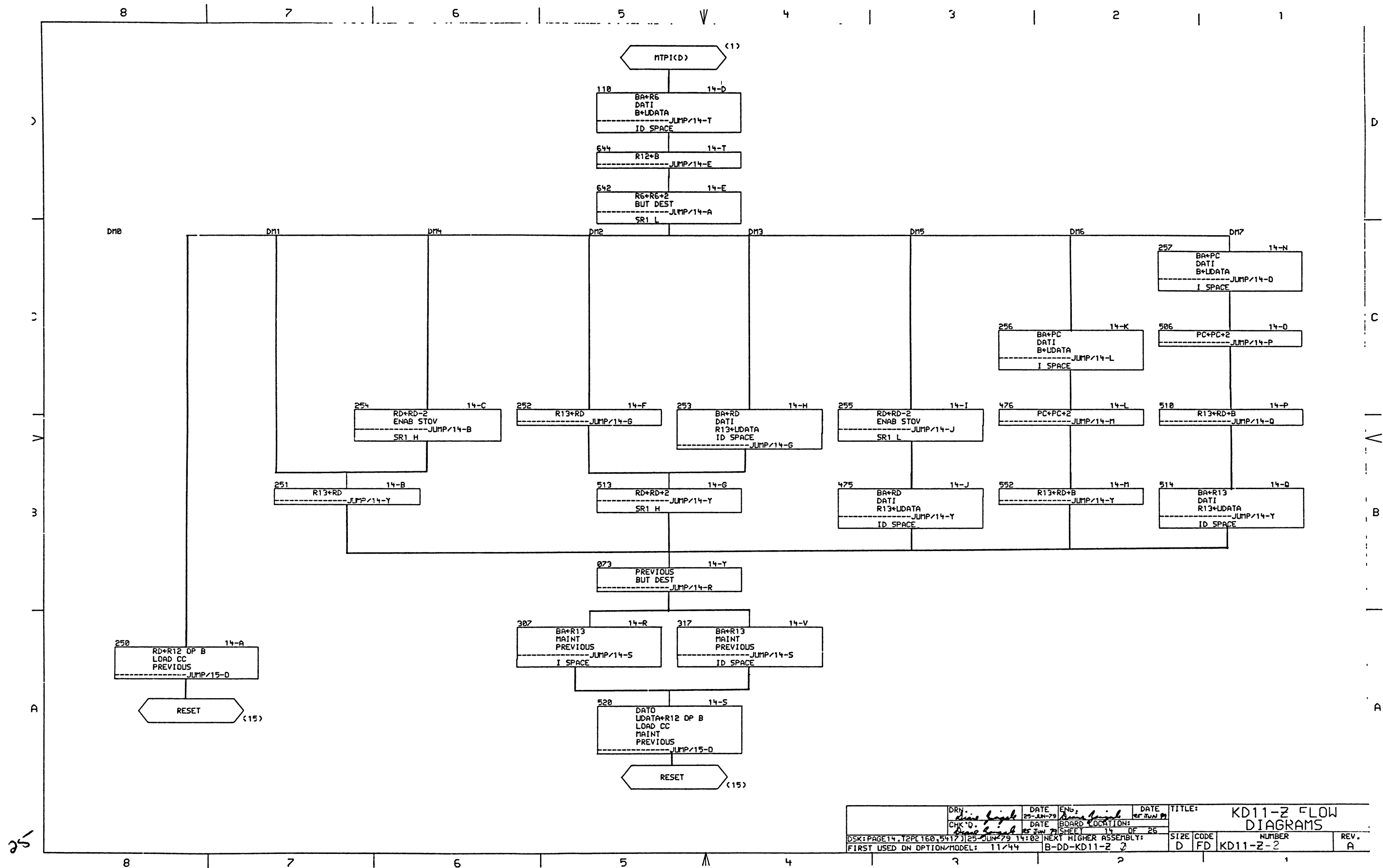
23

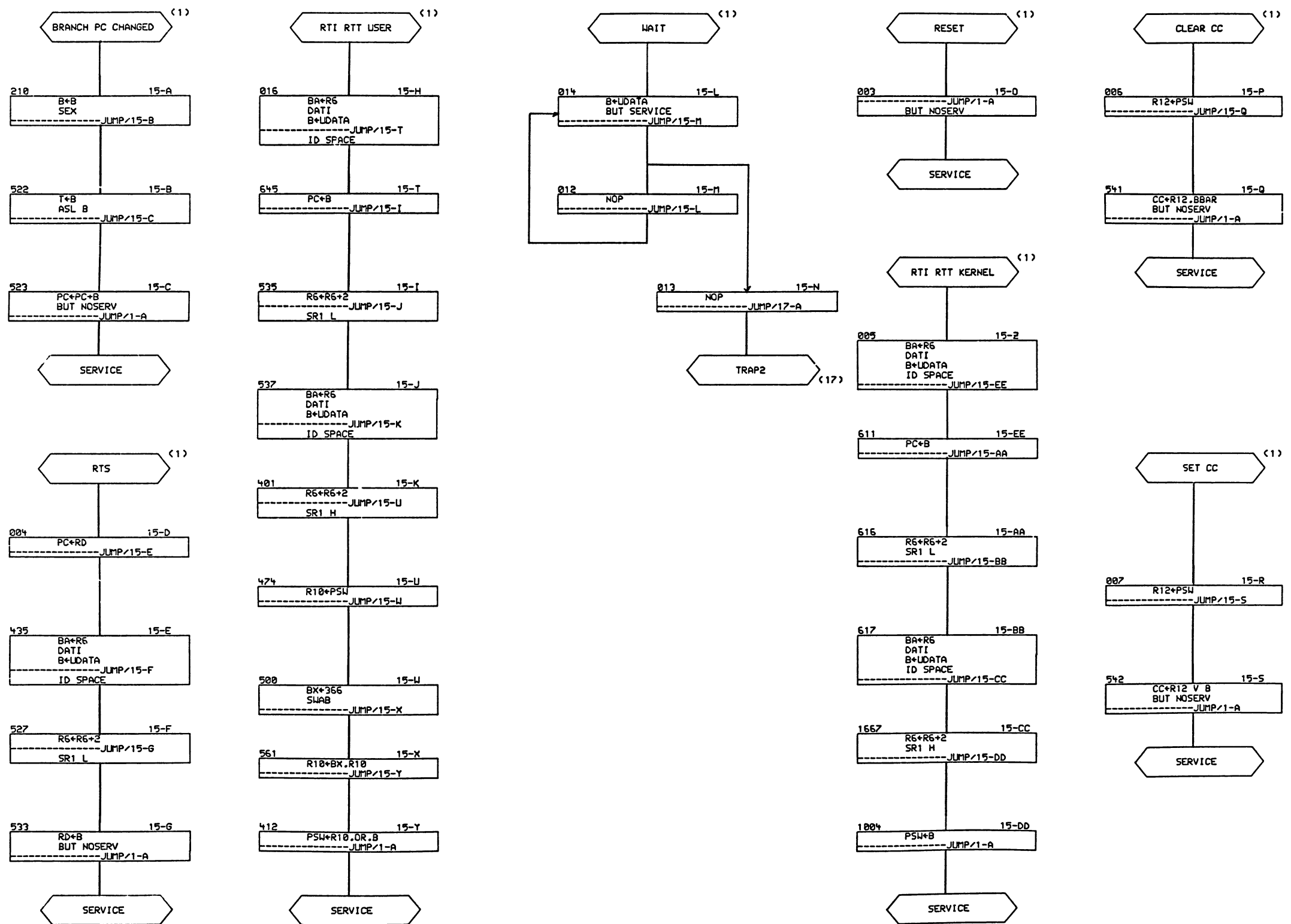


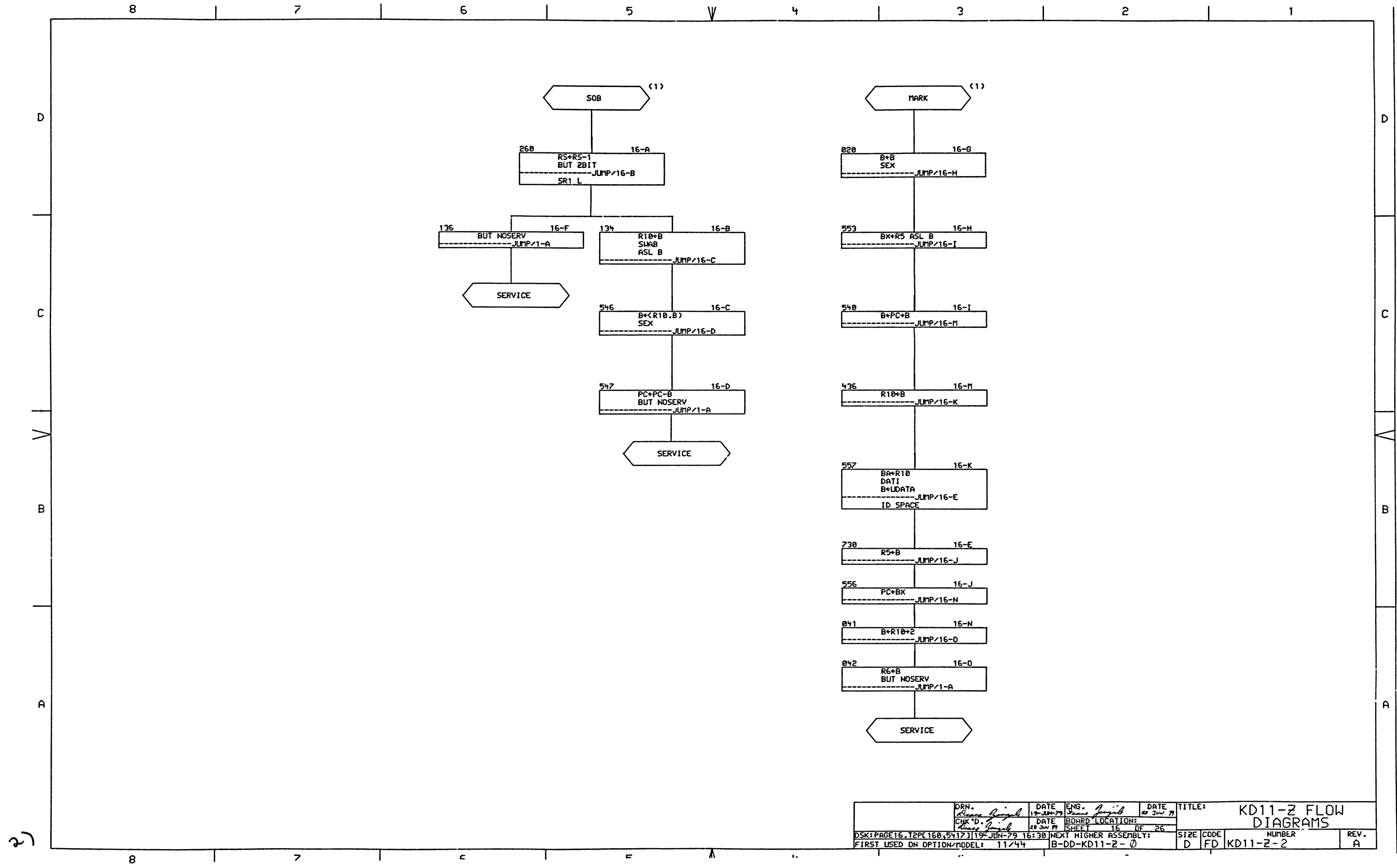
DRN. <i>Steve Long</i>	DATE 19 JUN 79	ENG. <i>Steve Long</i>	DATE 15 JUN 79	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D. <i>Steve Long</i>	DATE 28 JUN 79	BOARD LOCATION: 12	SHEET 12 OF 25	SIZE CODE D FD
DSK: PAGE 12, 12P (160, 5417)	19 JUN 79 12:42	NEXT HIGHER ASSEMBLY: B-DD-KD11-Z	NUMBER KD11-Z-2	REV. A
FIRST USED ON OPTION/MODEL: 11/44				

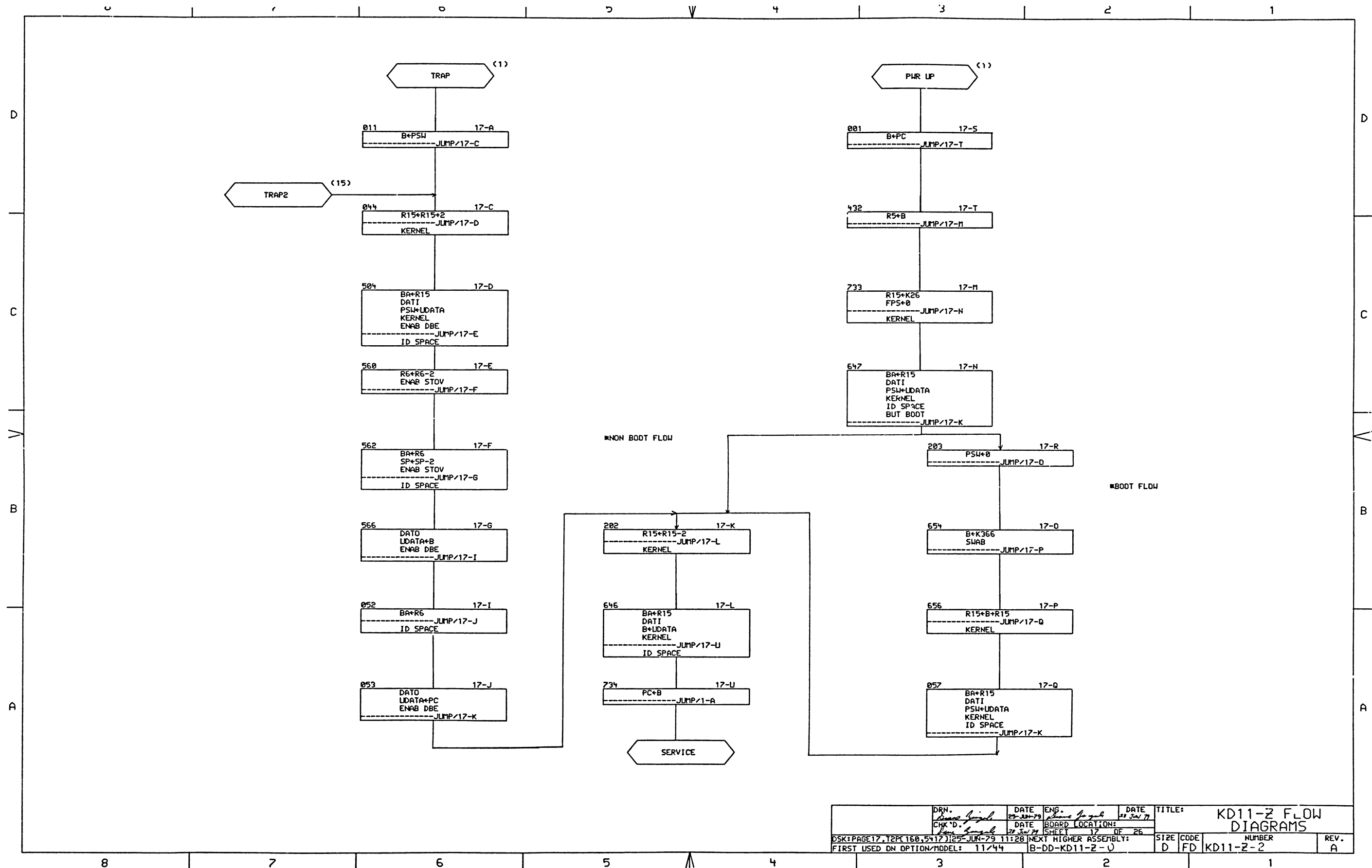


DRN. <i>David J. Smith</i>	DATE <i>19 JUN 79</i>	ENG. <i>David J. Smith</i>	DATE <i>25 JUN 79</i>	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D <i>David J. Smith</i>	DATE <i>19 JUN 79</i>	BOARD LOCATION: <i>13</i>	OF <i>25</i>	
DSK: PAGE 13, T2P1 160, 5417 J119-DUN-79 12:42				NEXT HIGHER ASSEMBLY: <i>B-DD-KD11-2 - /</i>
FIRST USED ON OPTION/MODEL: <i>11/44</i>				
SIZE <i>D</i>	CODE <i>FD</i>	NUMBER <i>KD11-Z-2</i>	REV. <i>A</i>	



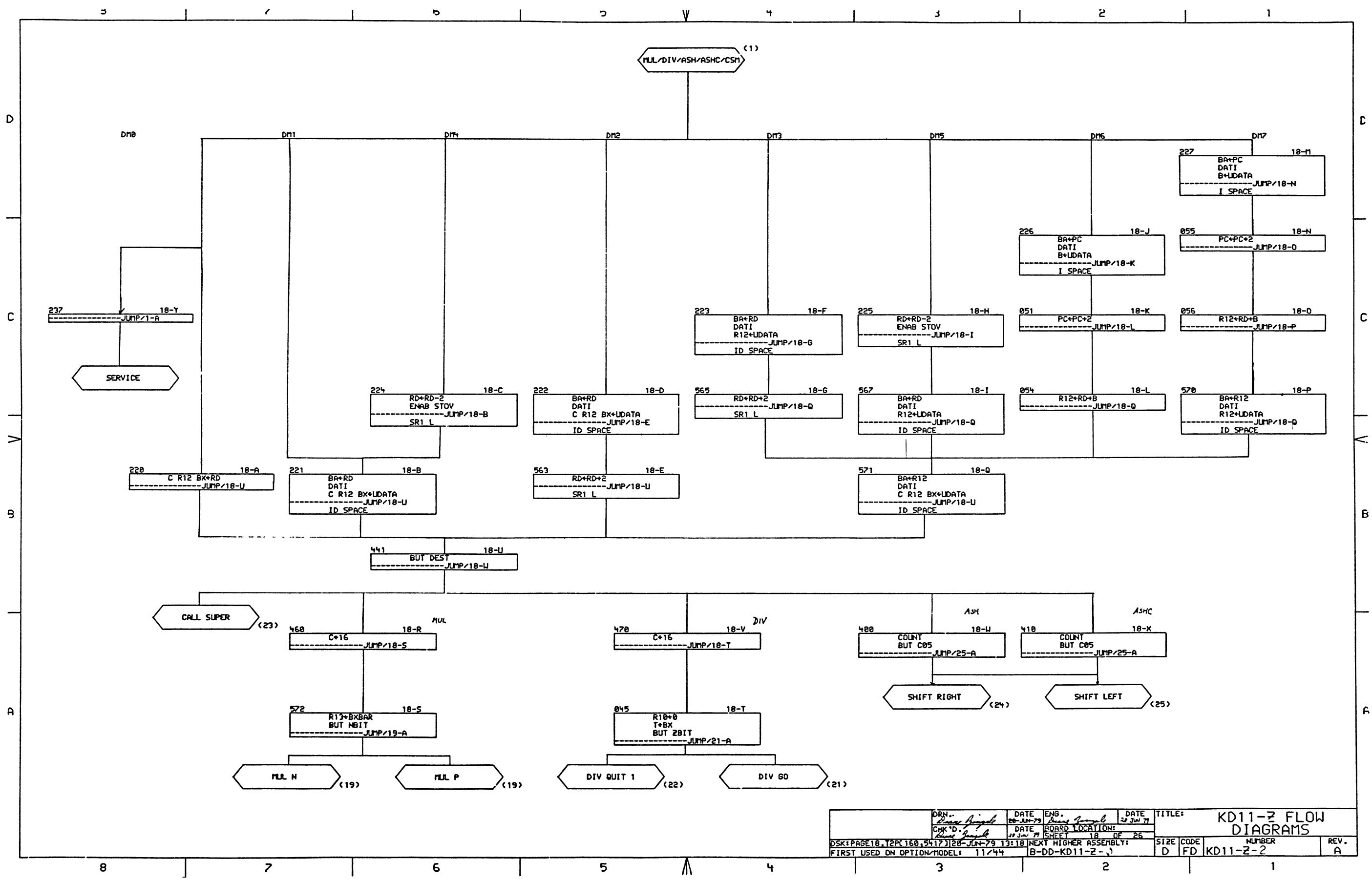


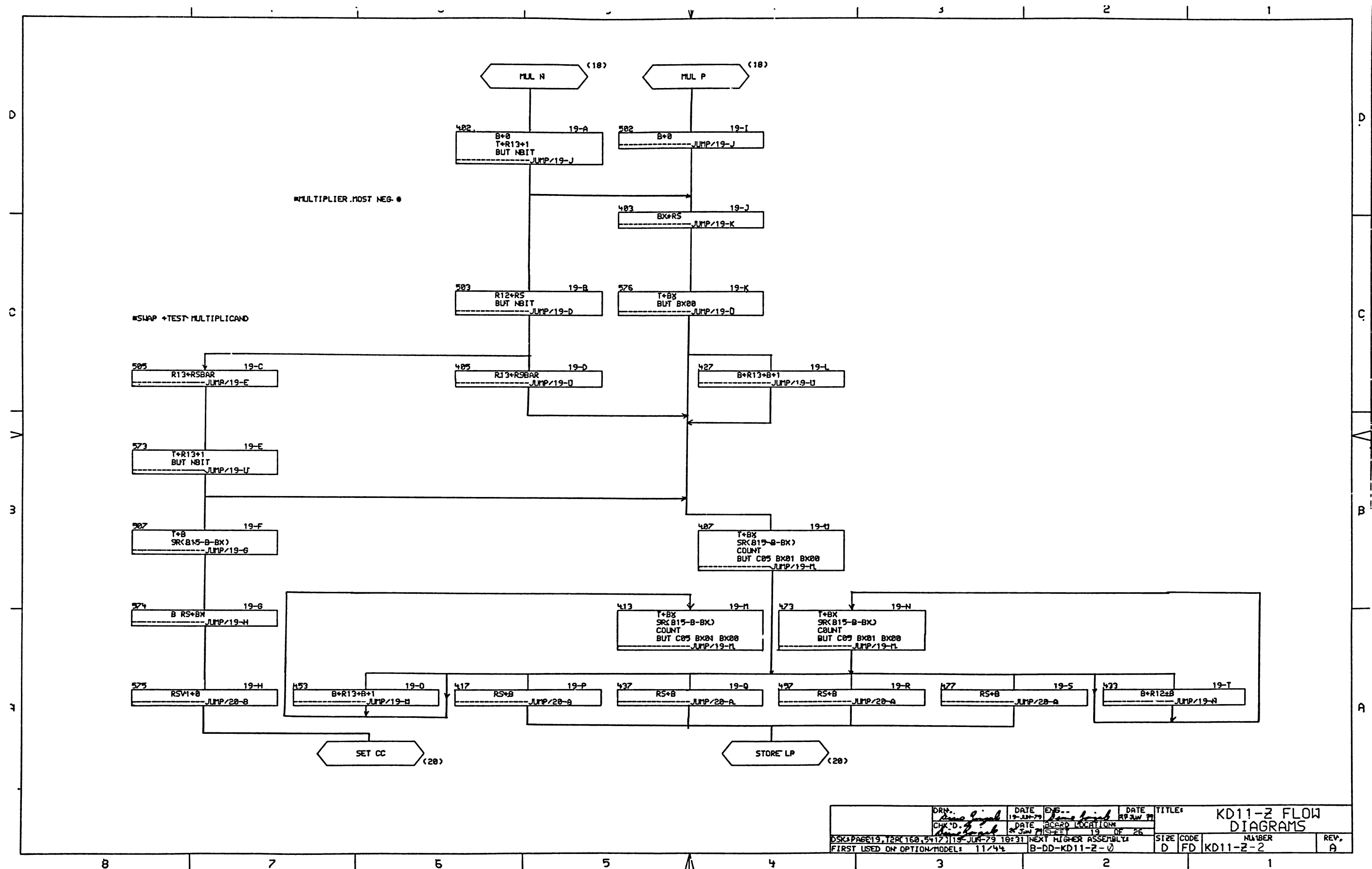




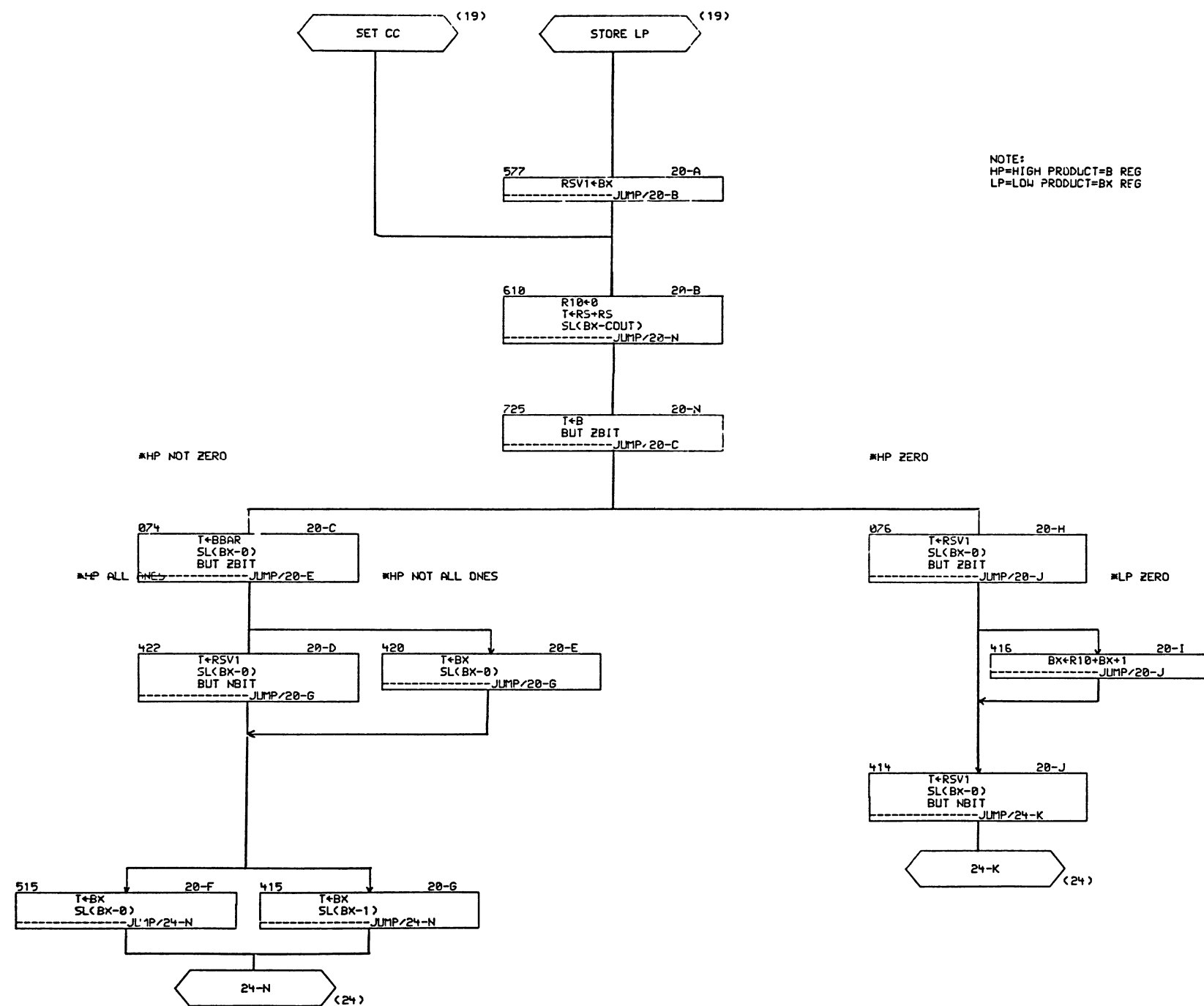
DRN.	DATE	ENG.	DATE	TITLE:	KD11-Z FLOW DIAGRAMS			
CHK'D.	DATE	BOARD LOCATION:	DATE	SIZE	CODE	NUMBER	REV.	
	25 JUN 79	17	25 JUN 79	D	FD	KD11-Z-2	A	
DSK: PAGE 17, 12PC 160, 54173125 JUN 79 11:28				NEXT HIGHER ASSEMBLY:				
FIRST USED ON OPTION/MODEL: 11/44				B-DD-KD11-Z-U				

29



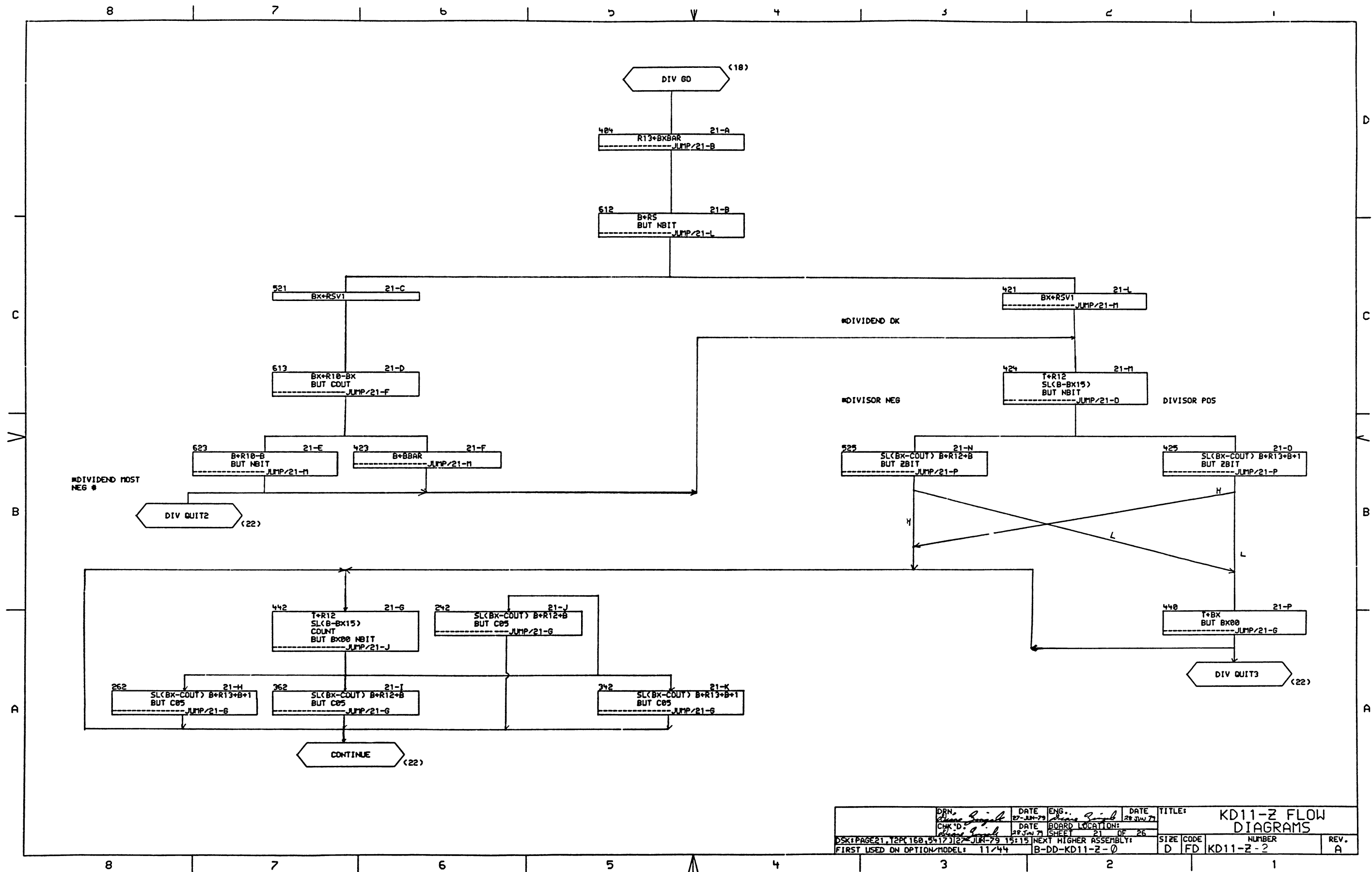


DRN.	DATE	DES.	DATE	TITLE
CHK'D	DATE	RECD LOCATION	DATE	KD11-Z FLOW
11/44	19-JUN-79 16:31	19	19	DIAGRAMS
FIRST USED ON OPTION MODEL:	11/44	B-DD-KD11-Z-0	SIZE CODE	NUMBER
			D	KD11-Z-2
			REV.	A



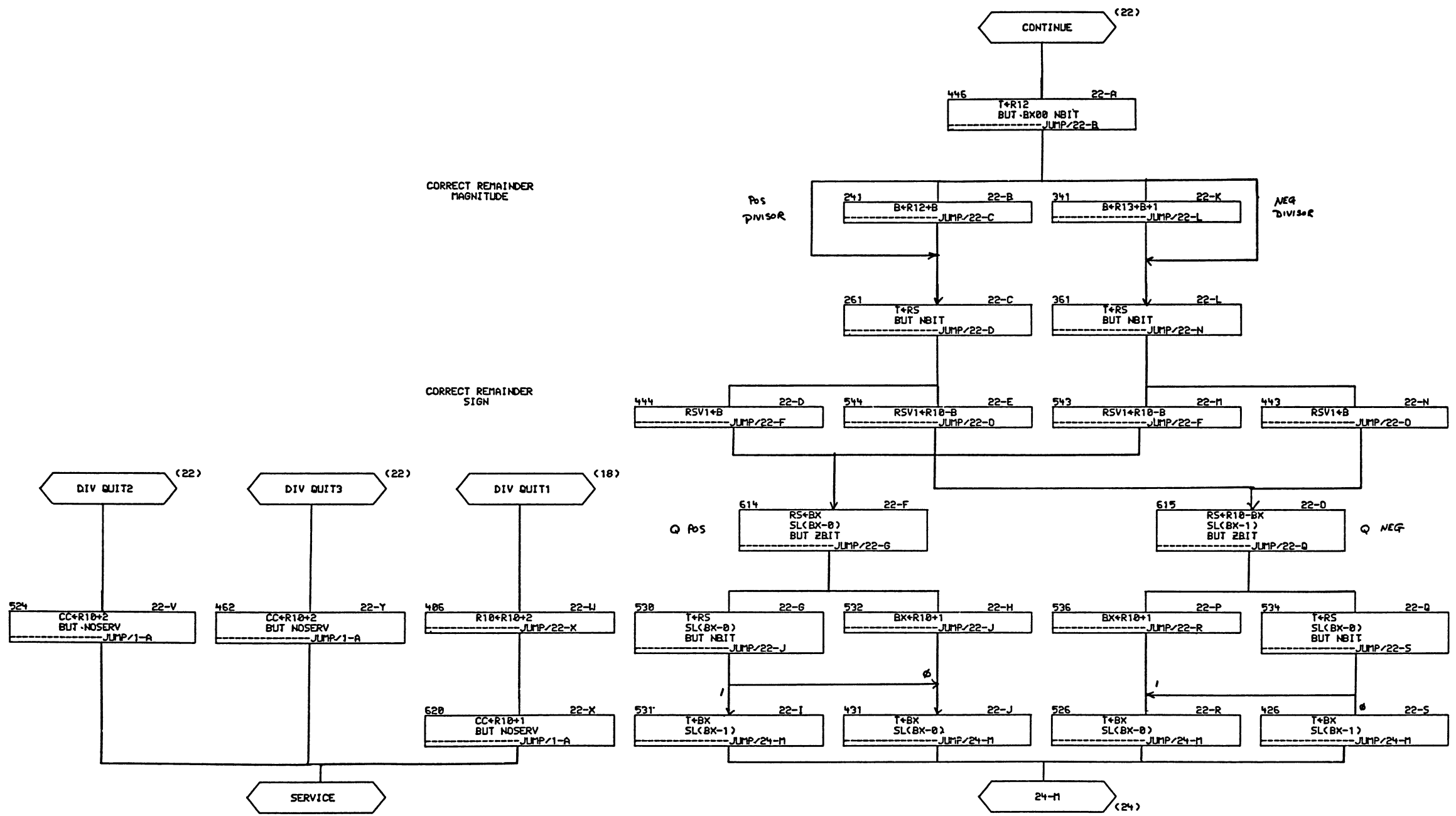
NOTE:
HP=HIGH PRODUCT=B REG
LP=LOW PRODUCT=BX REG

DRN: <i>James L. Smith</i>	DATE: 13 JUN 79	ENG: <i>James L. Smith</i>	DATE: 25 JUN 79	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D: <i>James L. Smith</i>	DATE: 13 JUN 79	BOARD LOCATION: 20	OF: 25	SIZE: D
FIRST USED ON OPTION MODEL: 11/44			B-DD-KD11-Z-2	
NUMBER: KD11-Z-2			REV. A	



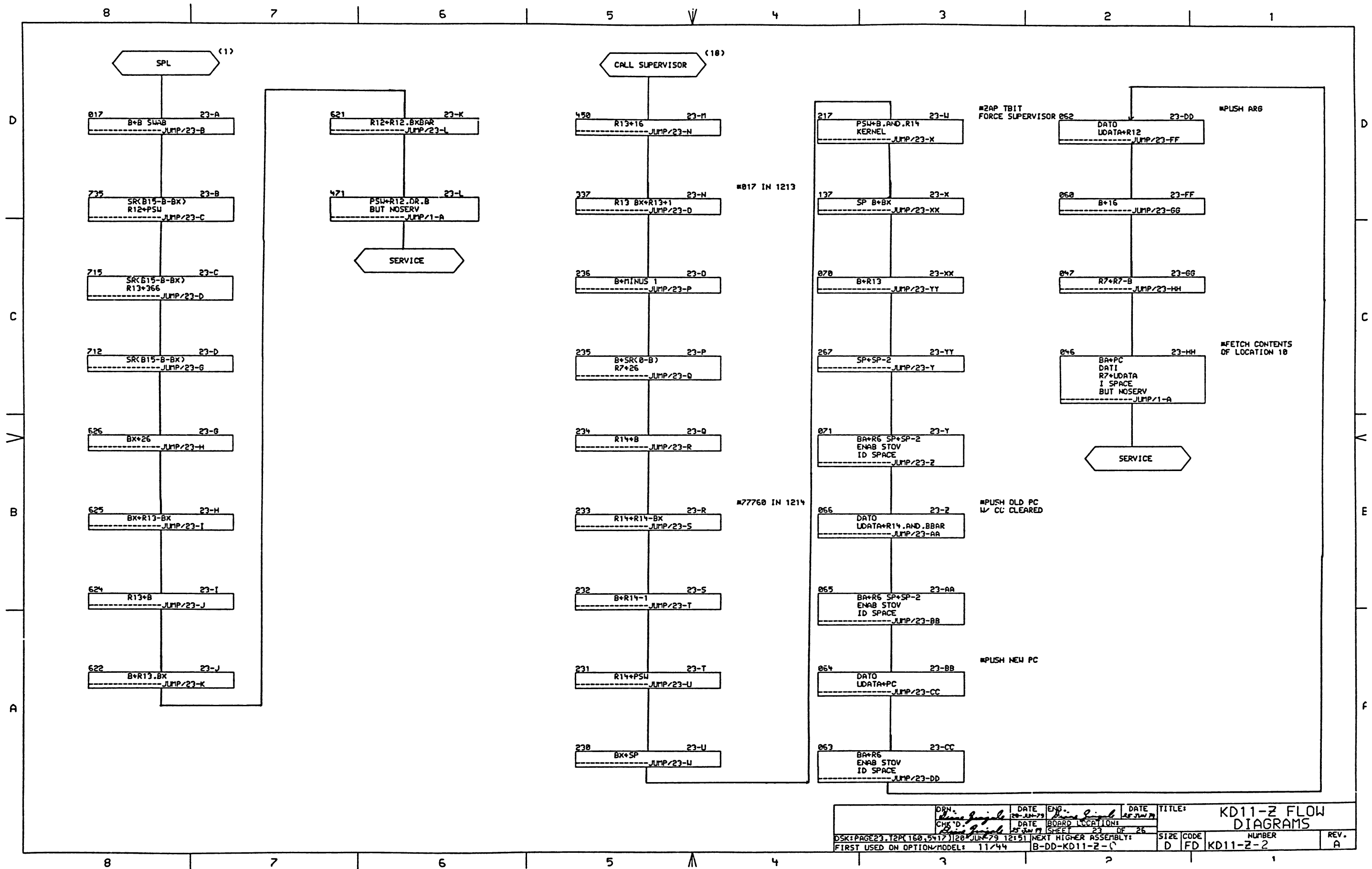
DRN. <i>James G. Smith</i>	DATE 27-JAN-79	ENG. <i>James G. Smith</i>	DATE 28-JUN-79	TITLE KD11-Z FLOW DIAGRAMS
CHK'D. <i>James G. Smith</i>	DATE 28-JAN-79	BOARD LOCATION SHEET 21 OF 26	SIZE D	CODE FD
DSK:PAGE21.TMP:168.54123127	JUN-79 15:15	NEXT HIGHER ASSEMBLY B-DD-KD11-Z-0	NUMBER KD11-Z-2	REV. A
FIRST USED ON OPTION MODEL: 11/44				

8 7 6 5 4 3 2 1

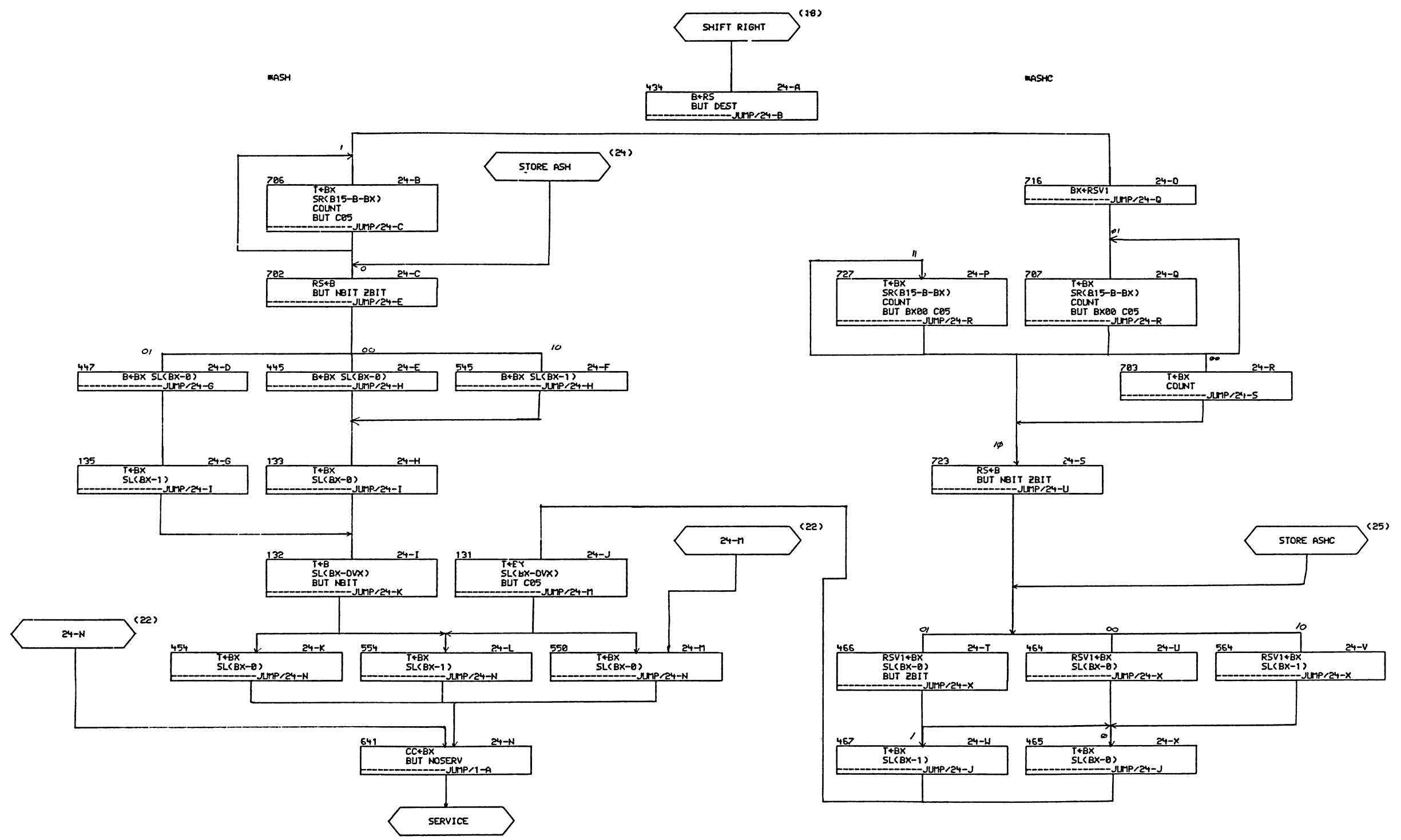


DRN. <i>[Signature]</i>	DATE <i>28 JUN 79</i>	ENG. <i>[Signature]</i>	DATE <i>27 JUN 79</i>	TITLE: KD11-Z FLOW DIAGRAMS				
CHK'D <i>[Signature]</i>	DATE <i>27 JUN 79</i>	BOARD LOCATION: <i>22</i>		SHEET <i>22</i> OF <i>26</i>		SIZE CODE	NUMBER	REV.
DSK: PAGE 22, T2P1 150, 5417 J120 JUN 79 12:50				NEXT HIGHER ASSEMBLY:		D	FD	
FIRST USED ON OPTION/MODEL: 11/44				B-DD-KD11-Z-0			KD11-Z-2	A

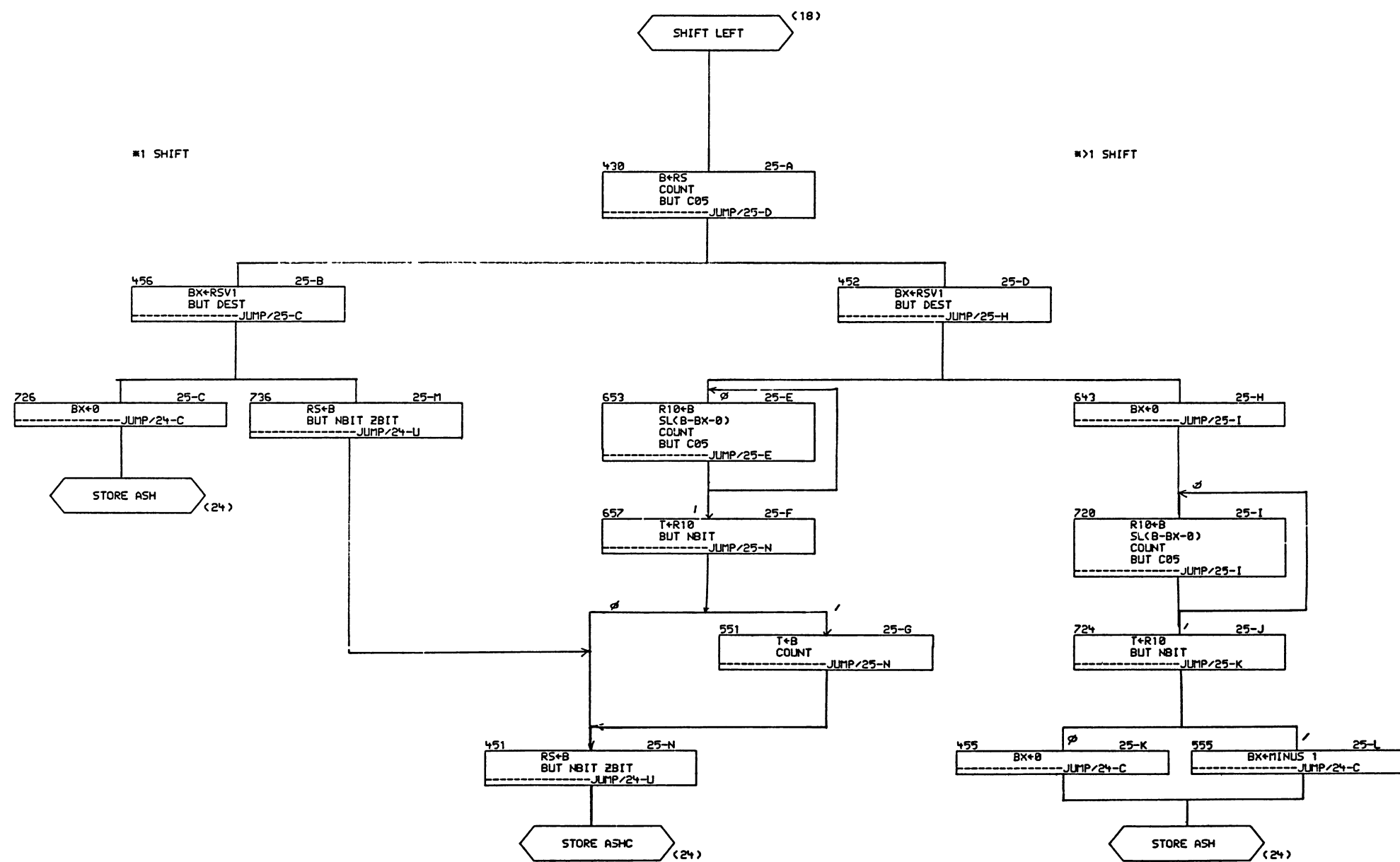
8 7 6 5 4 3 2 1



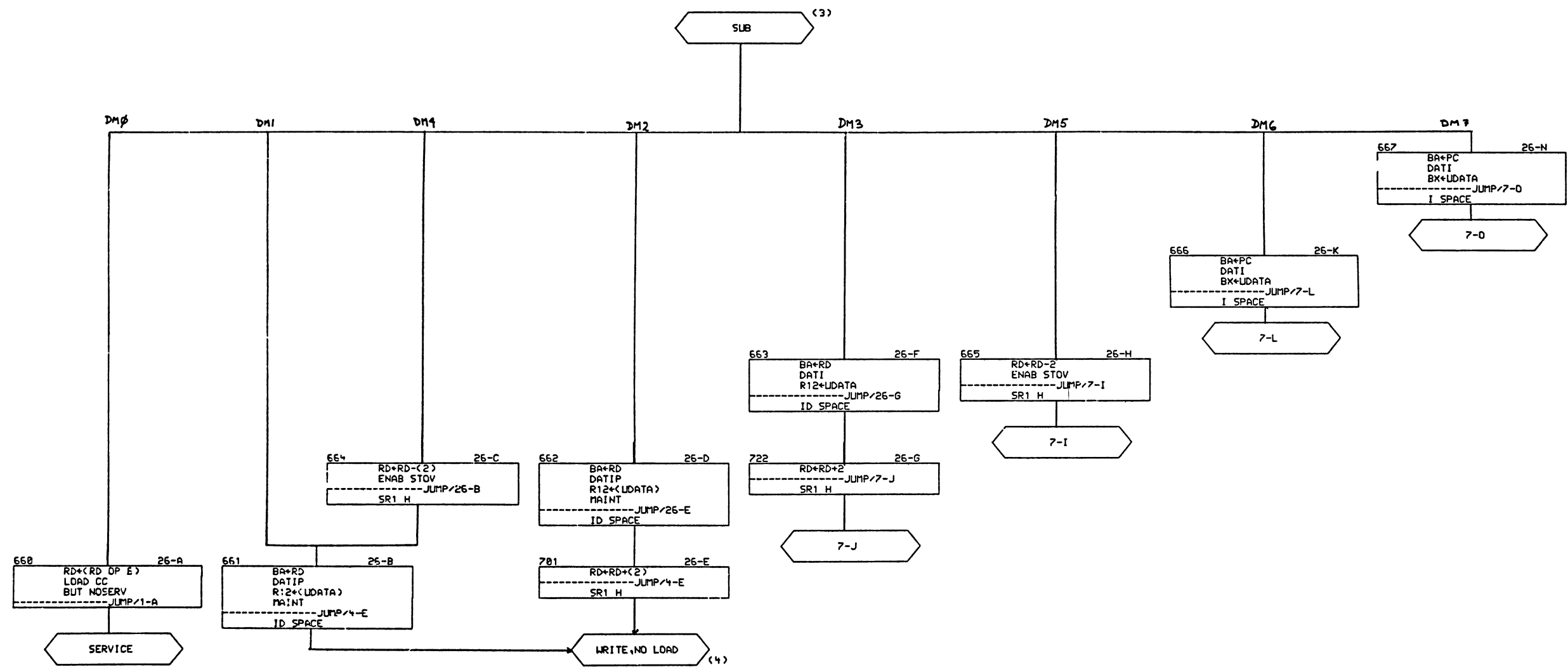
35



DRN. CHK'D DATE 25 JUN 79 11:29	ENG. DATE 25 JUN 79 11:29	DATE 28 JUN 79	DATE 28 JUN 79	TITLE: KD11-Z FLOW DIAGRAMS	SIZE D	CODE FD	NUMBER KD11-Z-?	REV. A
DSK:PAGE24.T2P160,5412J125-JUN-79 11:29 NEXT HIGHER ASSEMBLY: FIRST USED ON OPTION/MODEL: 11/44 B-DD-KD11-Z								

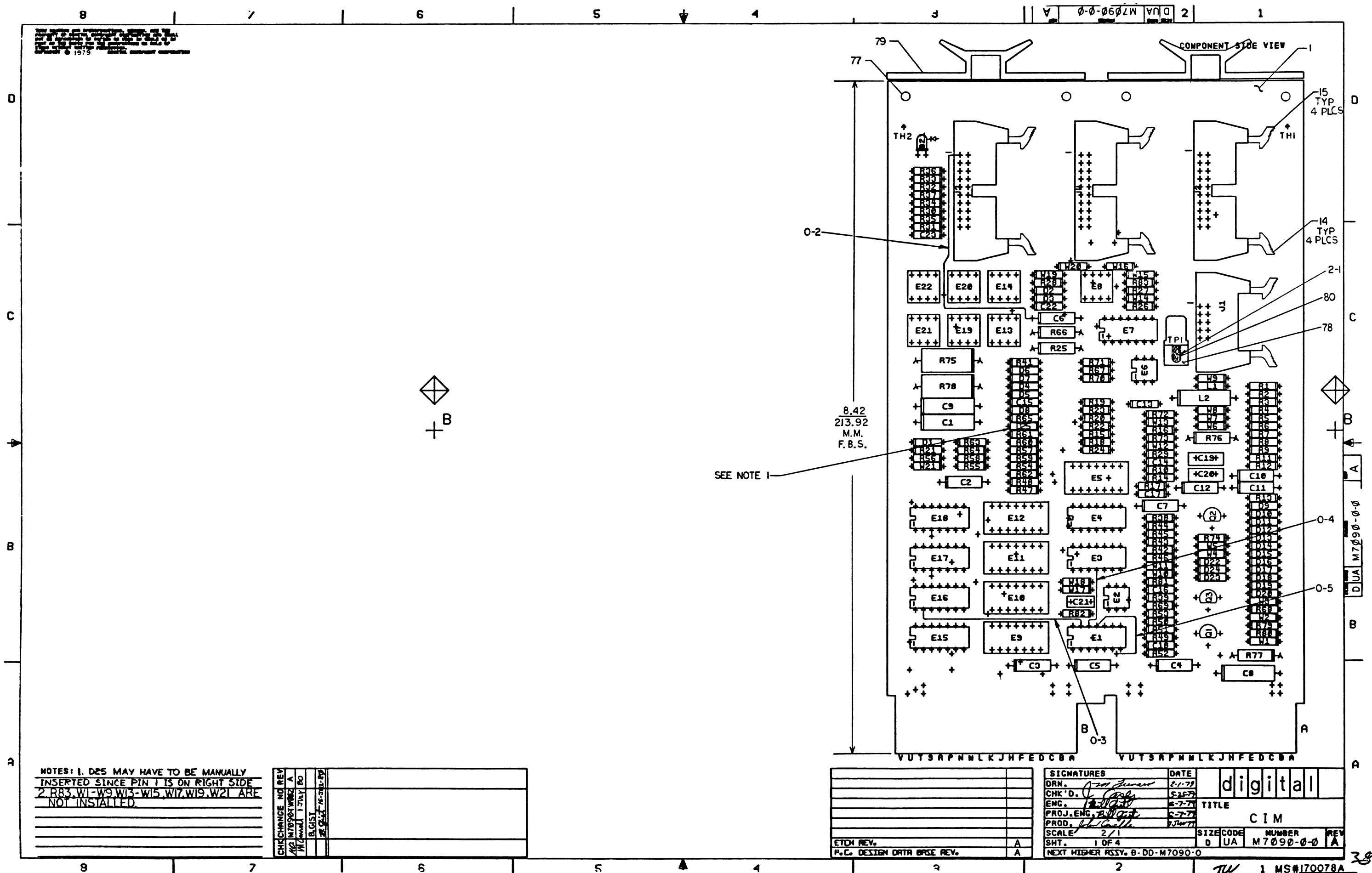


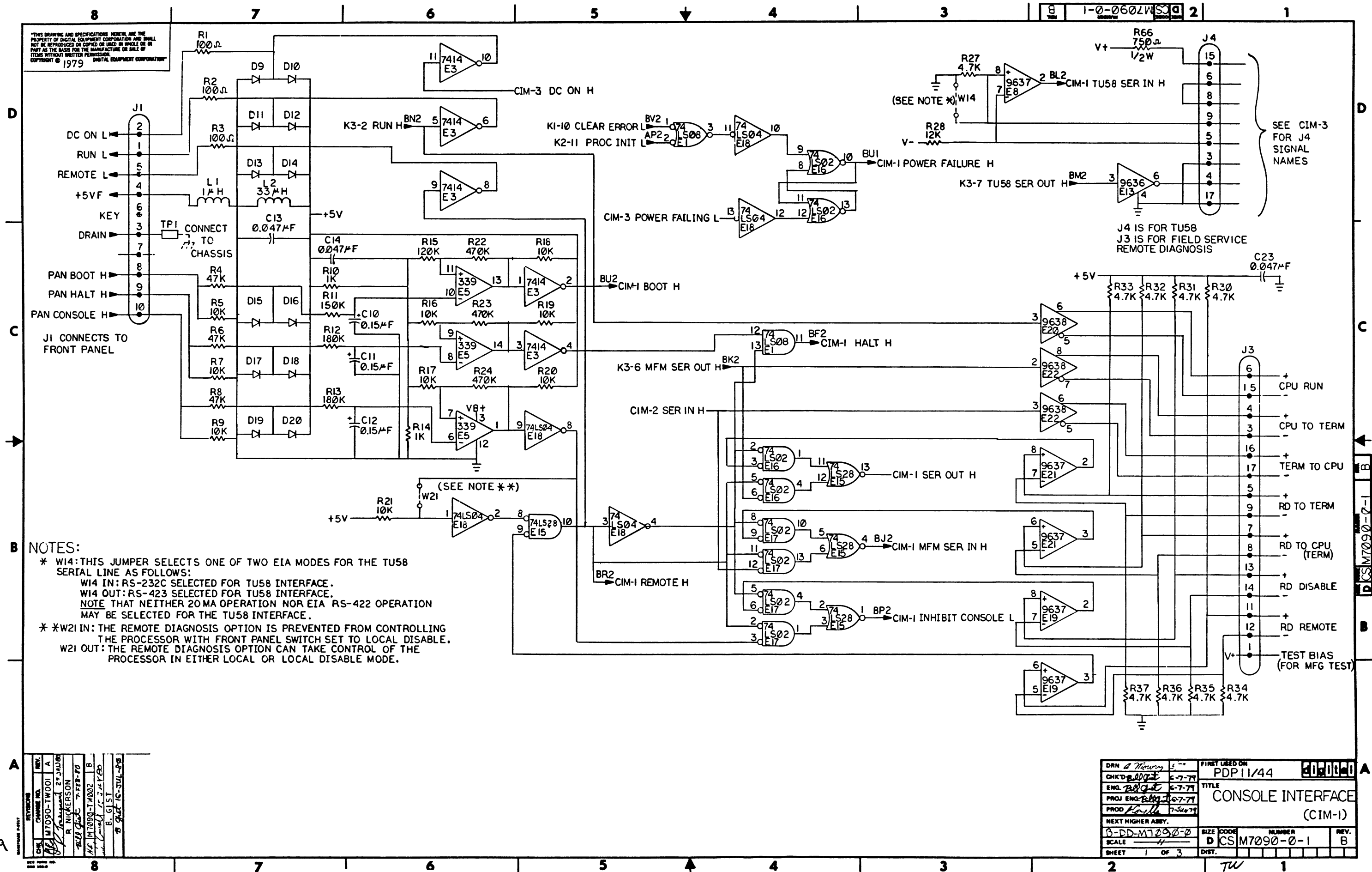
DRW. <i>David H. Smith</i>	DATE 28 JUN 79	ENG. <i>David H. Smith</i>	DATE 28 JUN 79	TITLE: KD11-Z FLOW DIAGRAMS
CHK'D. <i>David H. Smith</i>	DATE 28 JUN 79	DATE 28 JUN 79	DATE 28 JUN 79	NUMBER
DATE 28 JUN 79	SHEET 25	OF 26	SIZE D	CODE FD
DISK: PAGE 25, 12PK 160, 5417, 11/20/79 12:51	NEXT HIGHER ASSEMBLY: B-DD-KD11-Z-C	REV. A	REV. A	REV. A
FIRST USED ON OPTION/MODEL: 11/44				



DRN.	DATE	ENG.	DATE	TITLE
CHK'D.	DATE	BOARD LOCATION	DATE	KD11-Z FLOW
FIRST USED ON	OPTION/MODEL	11/44	B-DD-KD11-Z	DIAGRAM
SIZE	CODE	NUMBFR	REV.	
11	11	11	11	

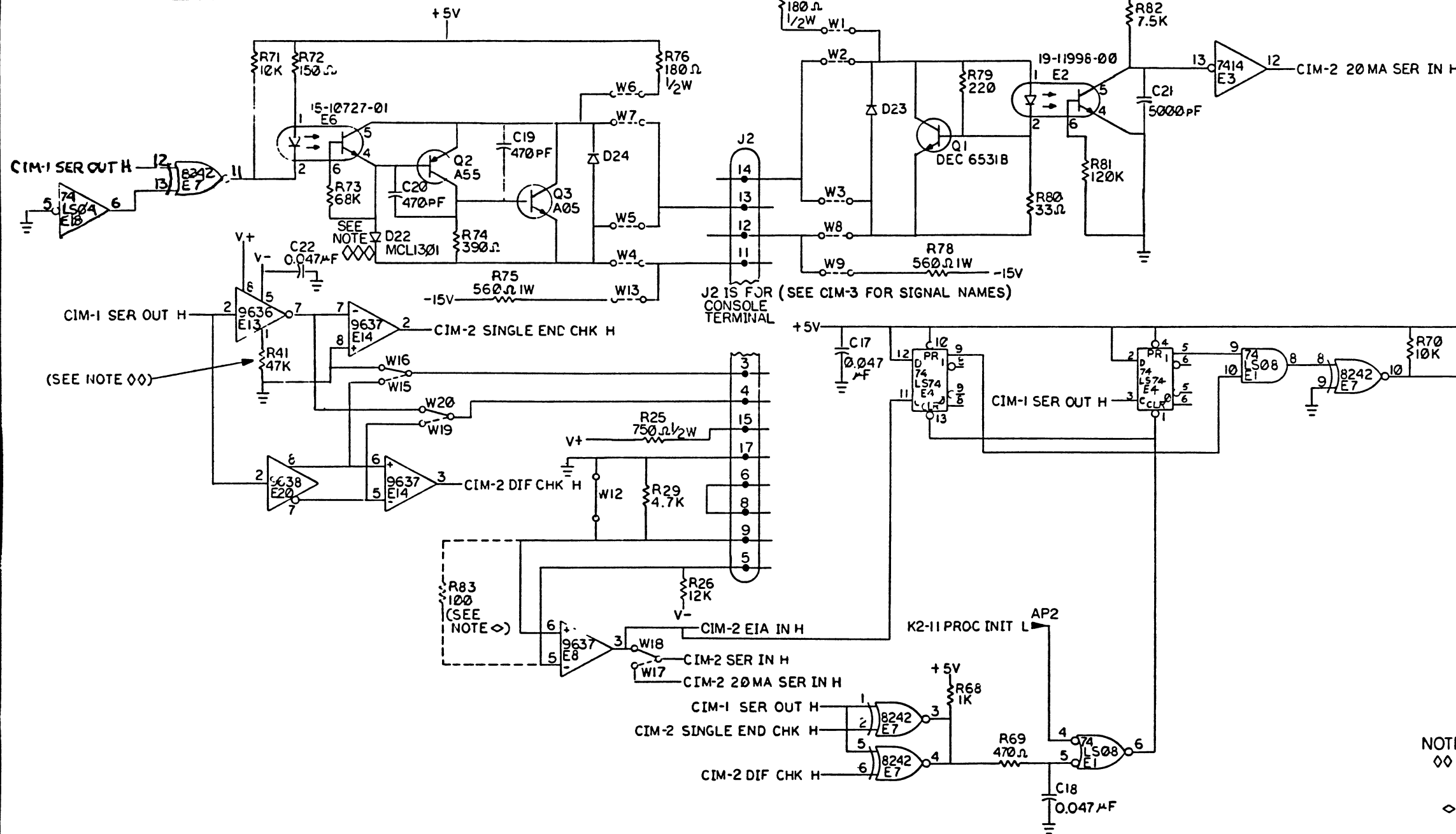
37





"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION"

1-0-0602530 2



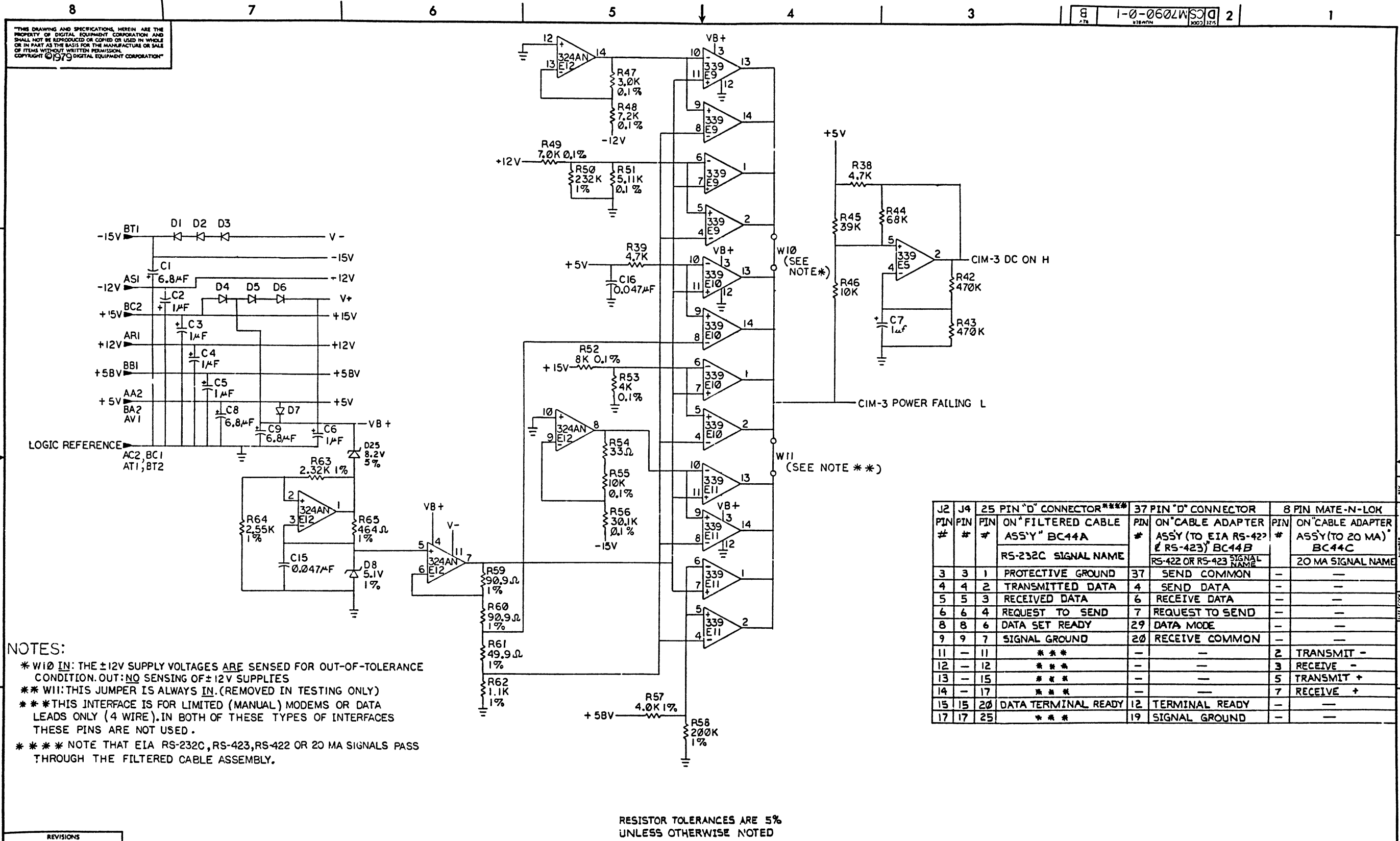
POWER PINNING TABLE					
IC TYPE	REF	GND	+5V	V+	V-
9636	4	—	6	5	—
9637	4	—	1	—	—
9638	4	—	1	—	—
324AN	—	—	—	11	4
339	12	—	—	—	3
74LS02, 74LS04	—	—	—	—	—
74LS08, 74LS28	—	—	—	—	—
74LS74, 7414	7	14	—	—	—
DE 8242	—	—	—	—	—

TRANSMITTER 20 MA					
MODE	W4	W5	W6	W7	W13
ACTIVE	OUT	IN	IN	OUT	IN
PASSIVE	IN	OUT	OUT	IN	OUT
NOT IN USE	OUT	OUT	OUT	OUT	OUT

RECEIVER 20 MA							
MODE	W1	W2	W3	W3	W9	W17	W18
ACTIVE	IN	OUT	IN	OUT	IN	IN	OUT
PASSIVE	OUT	IN	OUT	IN	OUT	IN	OUT
NOT IN USE	OUT	OUT	OUT	OUT	OUT	OUT	IN

CONSOLE TERMINAL EIA									
MODE	W12	W15	W16	W17	W18	W19	W20	W1-9, 13	
RS-232C	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
RS-423	OUT	OUT	IN	OUT	IN	OUT	IN	OUT	
RS-422	OUT	IN	OUT	OUT	IN	IN	OUT	OUT	

- NOTES:
- ◇◇◇ R41 CONTROLS THE SLEW RATE FOR BOTH OUTPUTS OF E13. THE VALUE OF R41 MUST REMAIN AT 47KΩ FOR THE TU58 INTERFACE TO OPERATE PROPERLY AT 38.4K BAUD.
 - ◇◇◇ R83 IS OPTIONAL AND SHOULD BE INSTALLED ONLY WHEN A 100 OHM TRANSMISSION CABLE IS USED FOR SERIAL INTERCONNECT, AND W12, 15-20 ARE SET UP FOR EIA RS-422 OPERATION.
 - ◇◇◇ D22 IS A 1 MA CURRENT LIMITING DIODE.



J2 PIN #		J4 PIN #		25 PIN "D" CONNECTOR**** ON "FILTERED CABLE ASS'Y" BC44A		37 PIN "D" CONNECTOR ON "CABLE ADAPTER ASS'Y (TO EIA RS-423) BC44B		8 PIN MATE-N-LOK ON "CABLE ADAPTER ASS'Y (TO 20 MA) BC44C	
				RS-232C SIGNAL NAME		RS-422 OR RS-423 SIGNAL NAME		20 MA SIGNAL NAME	
3	3	1	1	PROTECTIVE GROUND	37	SEND COMMON	-	-	-
4	4	2	2	TRANSMITTED DATA	4	SEND DATA	-	-	-
5	5	3	3	RECEIVED DATA	6	RECEIVE DATA	-	-	-
6	6	4	4	REQUEST TO SEND	7	REQUEST TO SEND	-	-	-
8	8	6	6	DATA SET READY	29	DATA MODE	-	-	-
9	9	7	7	SIGNAL GROUND	20	RECEIVE COMMON	-	-	-
11	-	11	-	***	-	-	2	TRANSMIT -	-
12	-	12	-	***	-	-	3	RECEIVE -	-
13	-	15	-	***	-	-	5	TRANSMIT +	-
14	-	17	-	***	-	-	7	RECEIVE +	-
15	15	20	20	DATA TERMINAL READY	12	TERMINAL READY	-	-	-
17	17	25	25	***	19	SIGNAL GROUND	-	-	-

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1		5013819-00	DRILL&ETCH BOARD	1	
2	2		1000024-00	470.0 MMF 100V 5%200PPM MICA	2	C19,C20
3	3		1001765-00	.005 MFD 100V 20% Z5T DISC	1	C21
4	4		1001776-00	1 MFD 35V 10% S.TANT	6	C2-C7
5	5		1005306-00	6.8MFD 35V 10% S.TANT	3	C1,C8,C9
6	6		1011895-00	.15 MFD 35V 10% S.TANT	3	C10-C12
7	7		1012784-00	.047 MFD 50V +80-20% CER	8	C13-C18,C22,C23
8	8		1103441-00	1N 756A VZ= 8.2 5% .40W F	1	D25
9	9		1105275-00	D 672 TR= 15NS PIV= 60V SI	12	D9-D20
10	10		1105610-00	MCL1301 CL01MA FROM10-80V	1	D22
11	11		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	9	D1-D7,D23,D24
12	12		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	1	D8
13	13		1110864-00	LED 2MCD@10MA	1	D21
14	14		1209941-03	HEADER RT ANGLE LEFT L	4	
15	15		1209941-04	HEADER RT ANGLE,RIGHT	4	
16	16		1300197-00	33.0 .25 W 5.0 % CC	2	R54,R80
17	17		1300229-00	100.0 .25 W 5.0 % CC	3	R1-R3
18	18		1300250-00	150.0 .25 W 5.0 % CC	1	R72
19	19		1300260-00	180.0 .50 W 5.0 % CC	2	R76,R77
20	20		1300271-00	220.0 .25 W 5.0 % CC	1	R79
21	21		1300309-00	390.0 .25 W 5.0 % CC	1	R74
22	22		1300316-00	470.0 .25 W 5.0 % CC	1	R69
23	23		1300354-00	750.0 .50 W 5.0 % CC	2	R25,R66
24	24		1300365-00	1.0 K .25 W 5.0 % CC	3	R10,R14,R68
25	25		1300447-00	4.70 K .25 W 5.0 % CC	12	R27,R29-R39
26	26		1300479-00	10.0 K .25 W 5.0 % CC	12	R5,R7,R9,R16-R21,R46,R70,R71
27	27		1300488-00	12.0 K .25 W 5.0 % CC	2	R26,R28
28	28		1300539-00	120.0 K .25 W 5.0 % CC	2	R15,R81
29	29		1301327-00	68.0 K .25 W 5.0 % CC	2	R44,R73
30	30		1301422-00	7.50 K .25 W 5.0 % CC	1	R82

REVISION HISTORY			BASIC PART NO: M7090		DRN: K.FRIEDGEN		DATE: 10-MAY-79		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D: F.GAROFALO		DATE: 7-FEB-79		TITLE PARTS LIST	
---	INITIAL	*	SECTION.VARIATION INDEX		DES.ENG: B.GIST		DATE: 7-FEB-79		DOCUMENT NUMBER	
BG	M7090-TW001	A	[A] 00		RESP.ENG.: B.GIST		DATE: 9-NOV-78		SIZE CODE NUMBER REV	
RN	M7090-YW002	B	[B]		MFG.ENG.: J.COMELLA		DATE: 10-MAY-79		K PL M7090-0-DBP B	
RN	M7090-TW002	Bg	[C]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	
			[D]		ID-UA-M7090-0-0				Z0394B.PLS	
			[E]							
			[F]							
			[G]							
			[H]							
			[I]							
			[J]							
			[K]							
			[L]							
			[M]							
			[N]							

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION "

TW

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
31	31	1302177-00	47.0 K .25 W 5.0 % CC	4	R4,R6,R8,R41
32	32	1302396-00	150.0 K .25 W 5.0 % CC	1	R11
33	33	1302397-00	180.0 K .25 W 5.0 % CC	2	R12,R13
34	34	1302398-00	470.0 K .25 W 5.0 % CC	5	R22-R24,R42,R43
35	35	1302514-00	39.0 K .25 W 5.0 % CC	1	R45
36	36	1302645-00	1.10 K .25 W 1.0 % RN55D-F10	1	R62
37	37	1302676-00	3.0 K .25 W .10% RN55E-B 2	1	R47
38	38	1302931-00	49.90 .25 W 1.0 % RN55D-F10	1	R61
39	39	1303037-00	90.90 .25 W 1.0 % RN55D-F10	2	R59,R60
40	40	1303047-00	464.0 .25 W 1.0 % RN55D-F10	1	R65
41	41	1303048-00	560.0 1.0 W 5.0 % CC	2	R75,R78
42	42	1303205-00	7.20 K .25 W .10% RN55E-B 2	1	R48
43	43	1304728-00	4.0 K .25 W .10% RN55E-B 2	1	R53
44	44	1305127-00	4.0 K .25 W 1.0 % RN55D-F10	1	R57
45	45	1305336-00	200.0 K .25 W 1.0 % RN55D-F10	1	R58
46	46	1305355-00	7.0 K .25 W .10% RN55C-B 5	1	R49
47	47	1305356-00	8.0 K .25 W .10% RN55C-B 5	1	R52
48	48	1305424-00	232.0 K .25 W 1.0 % RN55D-F10	1	R50
49	49	1305431-00	10.0 K .25 W .10% RN55E-B 2	1	R55
50	50	1305432-00	5.11 K .25 W .10% RN55E-B 2	1	R51
51	51	1310248-00	30.10 K .25 W .10% RN55E-B 2	1	R56
52	52	1310633-00	2.55 K .25 W 1.0 % RN55D-F10	1	R64
53	53	1311522-00	200.0 .25 W 5.0 % CC	1	R67
54	54	1312545-00	2.32 K .25 W 1.0 % RN55D-F10	1	R63
55	55	1509338-00	DEC6531B NPN 310MW SI 40 90 P	1	Q1
56	56	1510705-00	XA 05 NPN 500MW SI 60 50 P	1	Q3
57	57	1510706-00	XA 55 PNP 500MW SI 60 50 P	1	Q2
58	58	1510727-01	OPTO COUPLED ISOLATOR	1	E6
59	59	1601562-00	1.0 UH 10% 475MA #DD1.00	1	L1
60	60	1601759-00	33 UH 5% 300MA	1	L2
61	61	1909712-00	DEC 8242 COMPARATOR-4BIT N,	1	E7
62	62	1911324-00	7414 INVERTER,HEX 1IN SCH	1	E3
63	63	1911998-00	4N26 OPTO COUPLED ISLTR	1	E2
64	64	1912107-01	324ANOP AMP,QUAD	1	E12
65	65	1912108-00	339 VOLT CMPRTR,QUAD	4	E5,E9-E11
66	66	1912801-00	LS02 NOR-GATE-QUAD 2IN	2	E16,E17
67	67	1912803-00	LS04 INVERTER GATE-HEX 1I	1	E18
68	68	1912805-00	LS08 AND GATE-QUAD 2IN,PO	1	E1
69	69	1912814-00	LS28 NOR GATE-QUAD 2IN,PO	1	E15
70	70	1912824-00	LS74 FF-D DUAL,EDGE TRIGG	1	E4
71	71	1915415-00	9636 DRIVER,DUAL,EIA RS-	1	E13
72	72	1915416-00	9637 RECEIVER,DUAL,RS-42	4	E8,E14,E19,E21
73	73	1915417-00	9638 DRIVER,DUAL,EIA RS-	2	E20,E22
74	74	1209941-13	HEADER 20POS RT ANGLE	3	J2-J4
75	75	1209941-12	HEADER 10POS RT ANGLE	1	J1
76	76	7422428-00	*** THIS ITEM IS NOT USED ***	-	
77	77	9006732-00	EYELET, ROLLED FLANGE, .121 OD X	4	
78	78	9007112-00	TERM QUICK 1POS ADAPTER	1	TP1

I	D	I	G	I	T	A	L	I	T	I	S	I	Z	E	C	O	D	E	N	U	M	B	E	R	R	E	V
I	D	I	G	I	T	A	L	I	T	I	S	I	Z	E	C	O	D	E	N	U	M	B	E	R	R	E	V
I																											
I																											
I																											

TW

AUTOMATED BY PRTLST.3J(25)

PARTS LIST

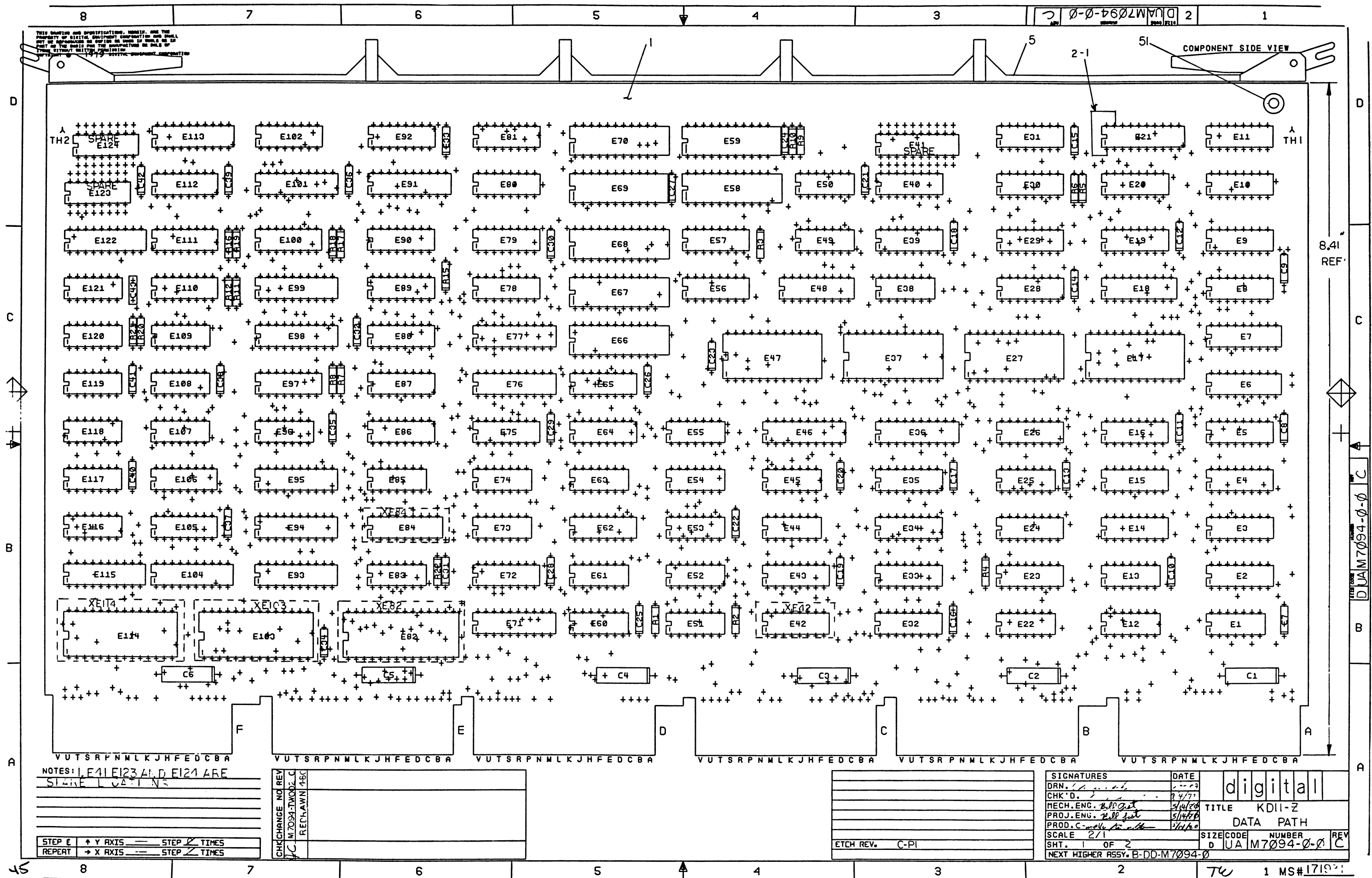
SHEET A3 OF A3

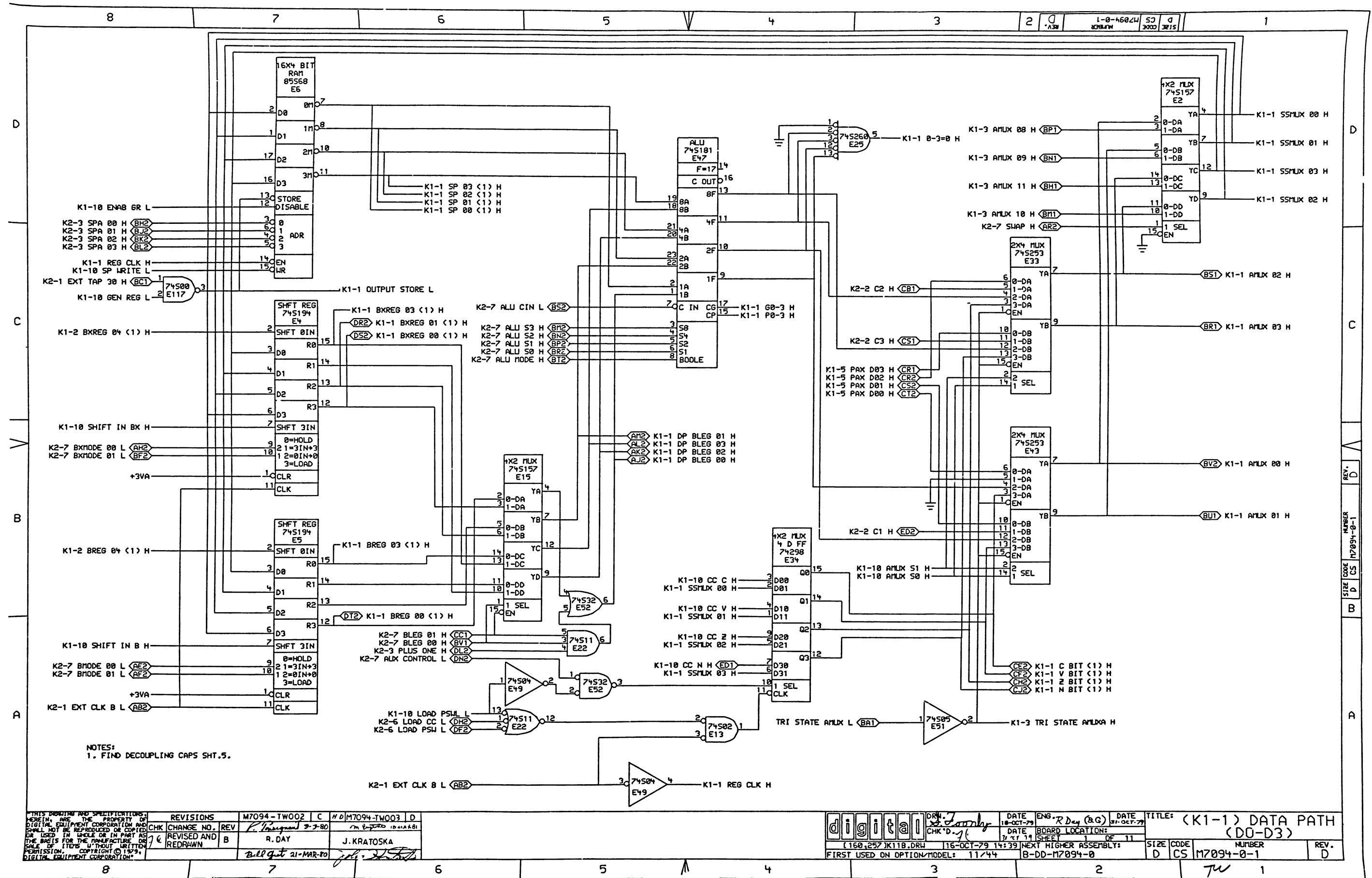
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00		
79	79		9008337-06	HANDLE, FLIP CHIP, MAGENTA	2		
80	80		9009000-00	EYELET, ROLLED FLANGE, .121 OD X	1		
81	81		9009157-00	ADH, LIQ. RM. TEMP CURING COLORLESS	A/R		
82	82		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	6		W10-W12, W16, W18, W20
83	83		9105740-55	WIRE(WRAP)30AWG UL1423	1		
84	84		9107360-00	WIRE, STRND, 18AWG, IPVC UL1429	A/R		

85 NOTE: ITEM #84 1* IS USED.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							CONSOLE INTERFACE MODULE		K	PL	M7090-0-DBP	B

TW

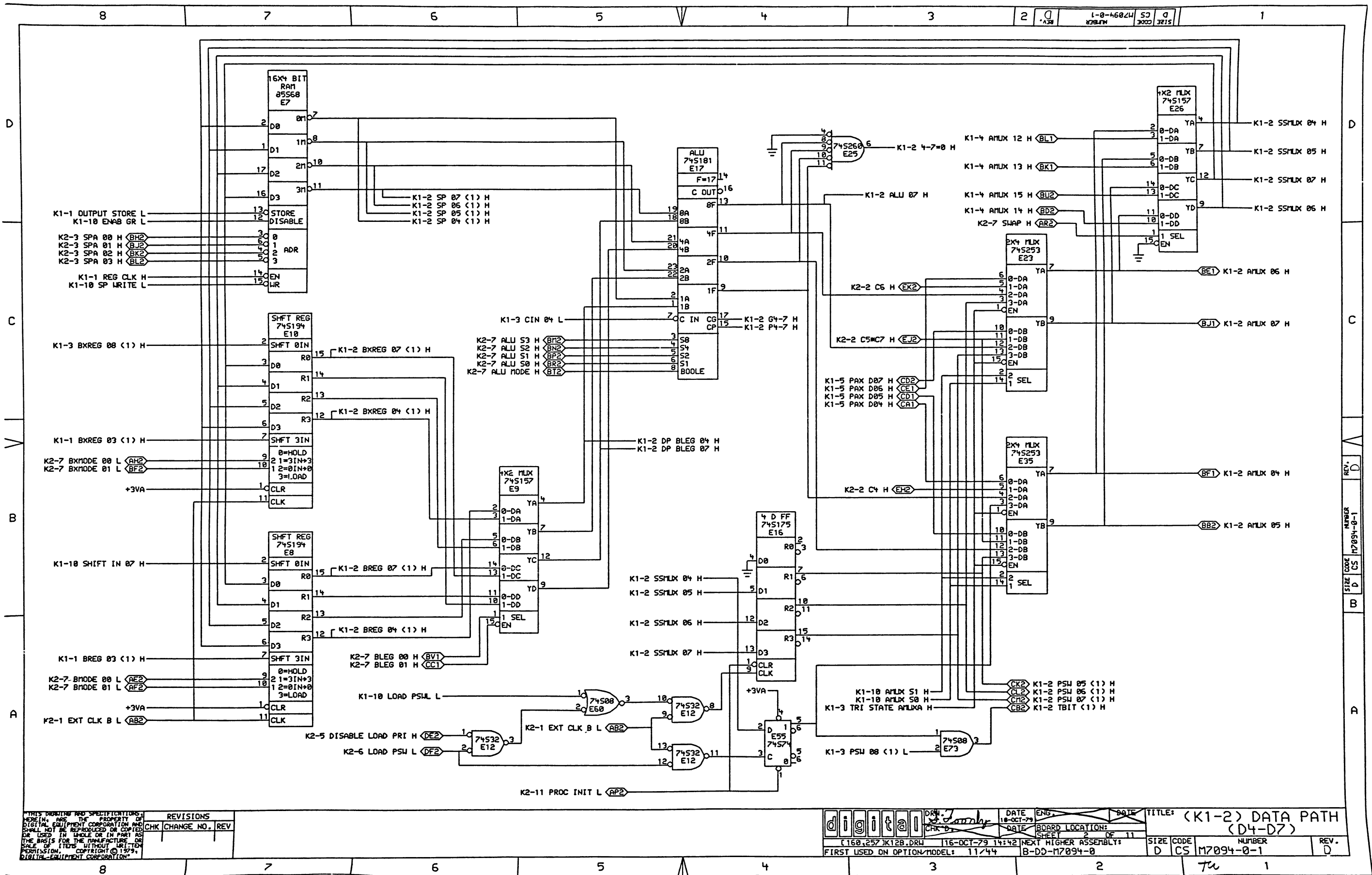




NOTES:
1. FIND DECOUPLING CAPS SHT.5.

THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.				REVISIONS		M7094-TW002	C	N/D	M7094-TW003	D
CHK	CHANGE NO.	REV		CHK	CHANGE NO.	REV				
1	6	B		1	6	B				
REVISED AND REDRAWN				J. KRATOSKA						
Bill Galt 21-MAR-80										

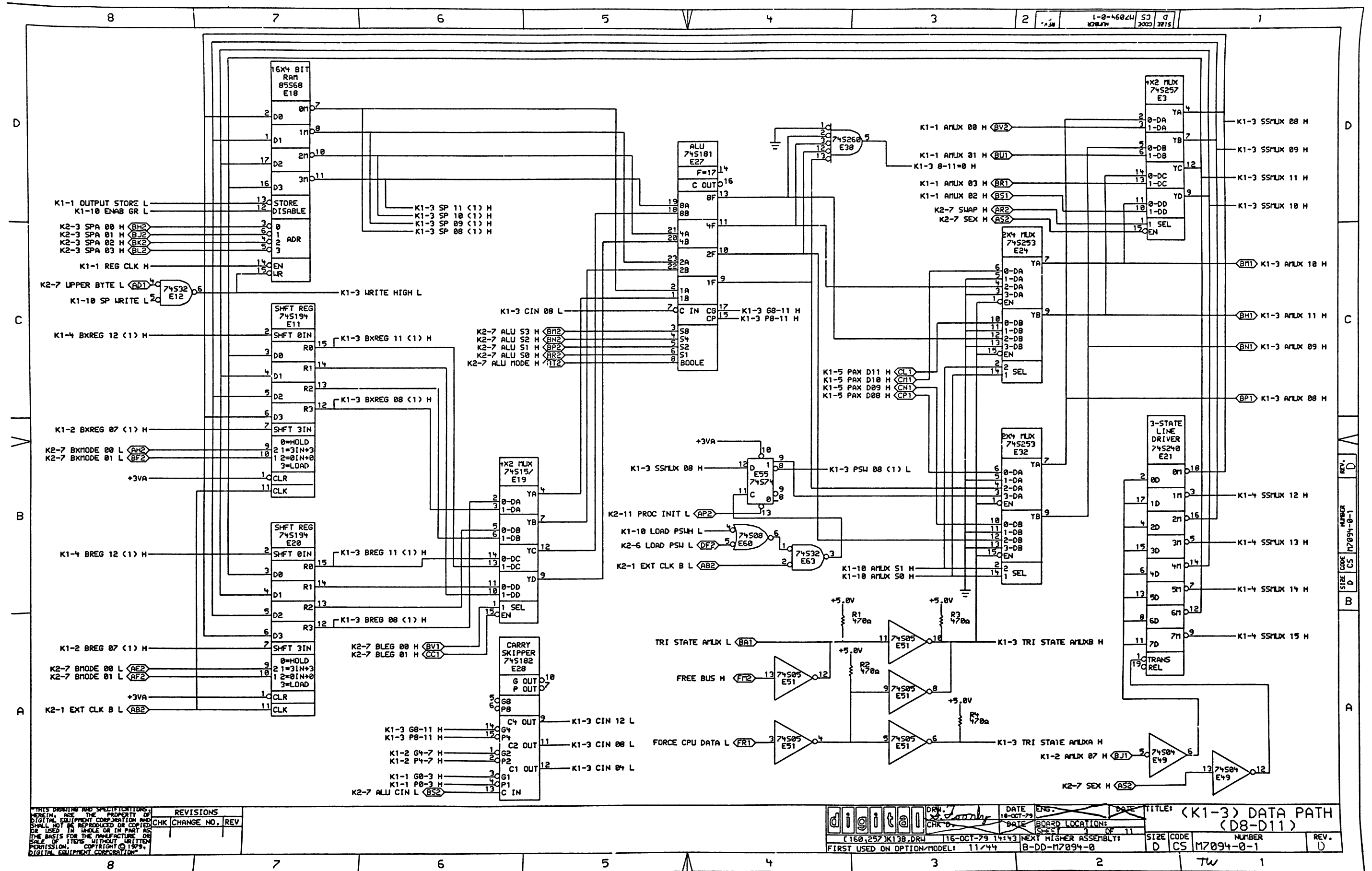
digital		DRW. J. Kratoska	DATE 18-OCT-79	ENG. R. Day (AG)	DATE 31-OCT-79	TITLE: (K1-1) DATA PATH (DO-D3)				
CHK'D. J. Kratoska			DATE 11-11-79	BOARD LOCATION: 11/11	OF 11					
(160,257 JK118.DRW)		16-OCT-79 14:39	NEXT HIGHER ASSEMBLY:			SIZE	CODE	NUMBER	REV.	
FIRST USED ON OPTION/MODEL: 11/44		B-DD-M7094-0				D	CS	M7094-0-1	D	

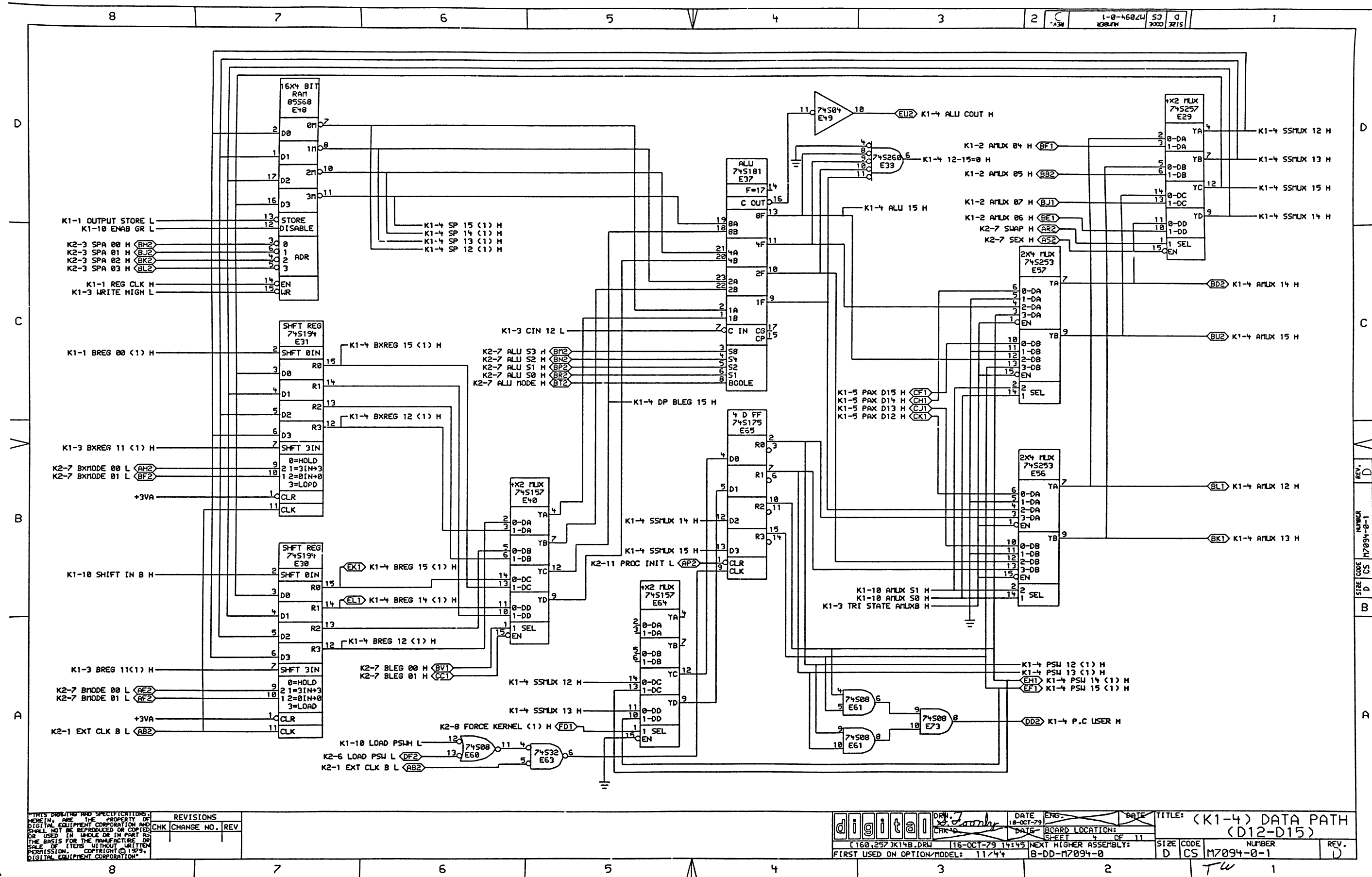


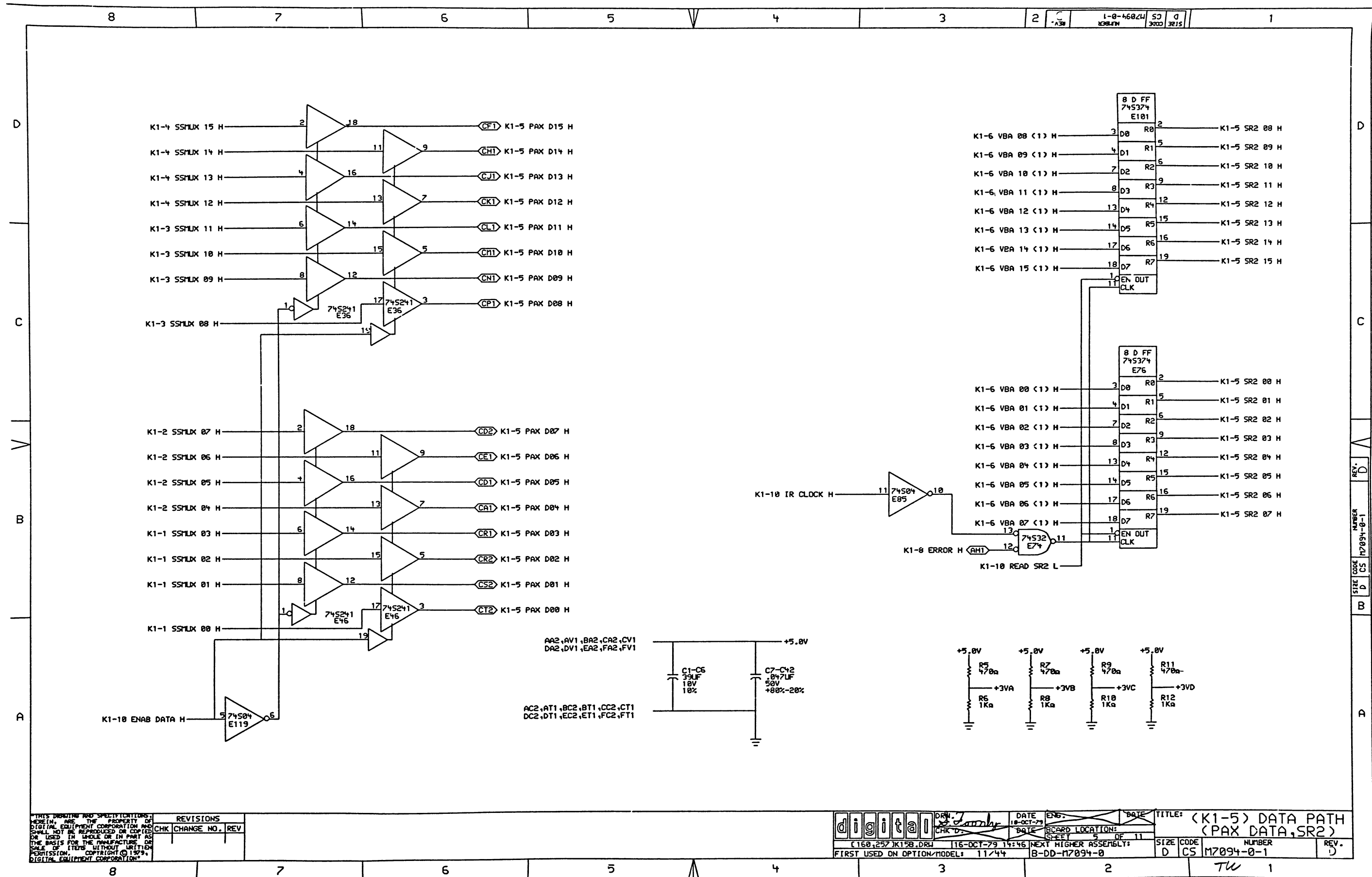
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.

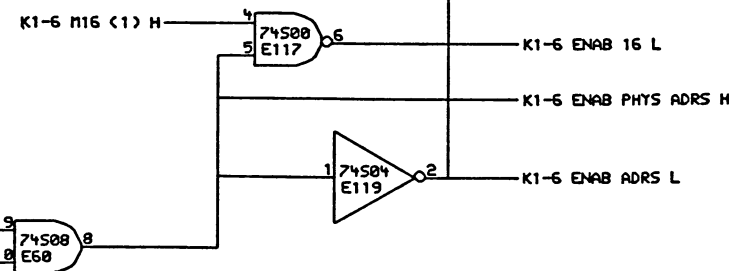
REVISIONS		
CHK	CHANGE NO.	REV

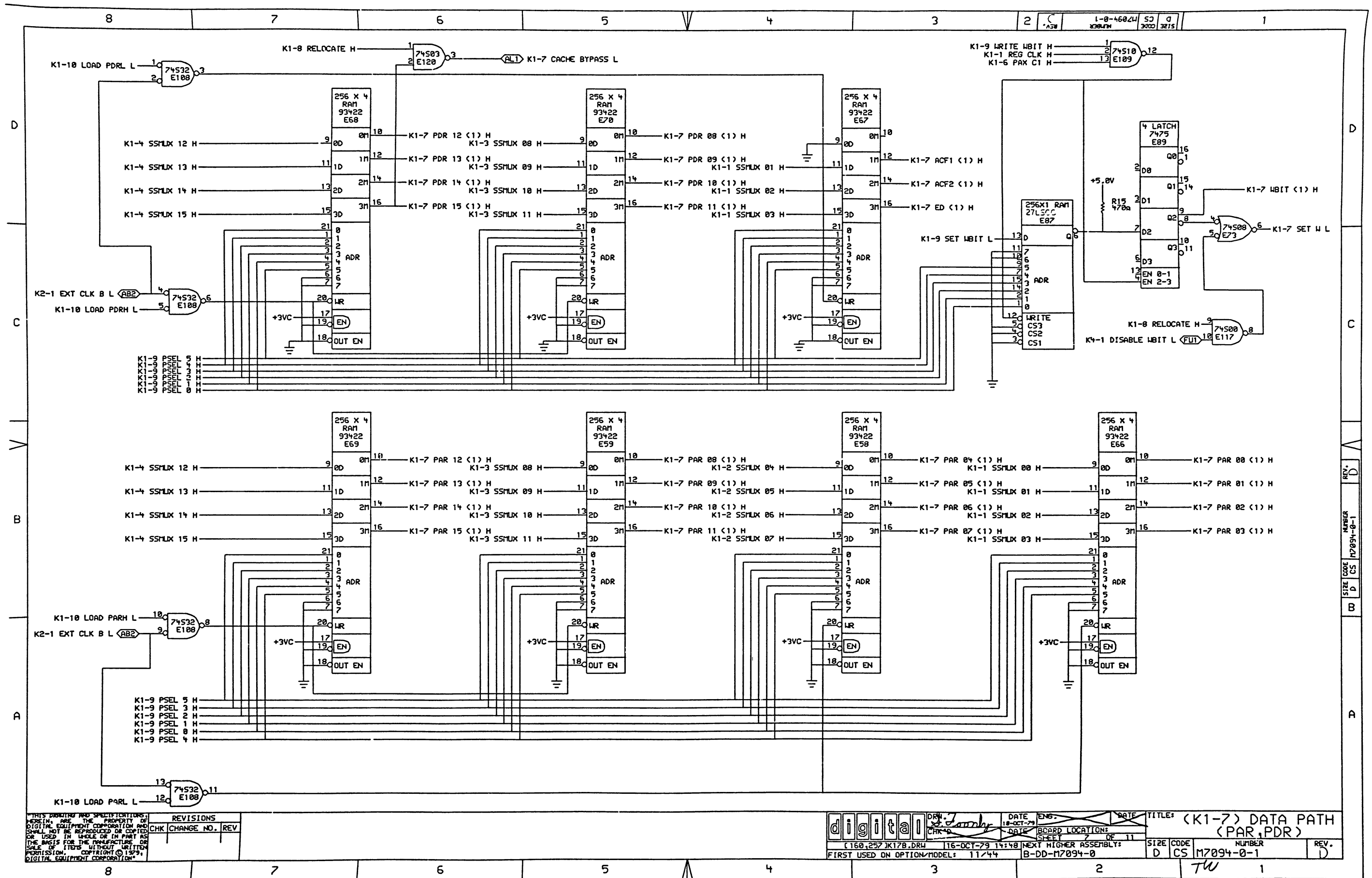
digital	DATE	ENG	DATE	TITLE: (K1-2) DATA PATH (D4-D7)	
	18-OCT-79			SIZE CODE	NUMBER
C160,257 JK12B.DRW		116-OCT-79 14:42 NEXT HIGHER ASSEMBLY:		D CS	M7094-0-1
FIRST USED ON OPTION MODEL: 11/44		B-DD-M7094-0		REV.	D











THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.

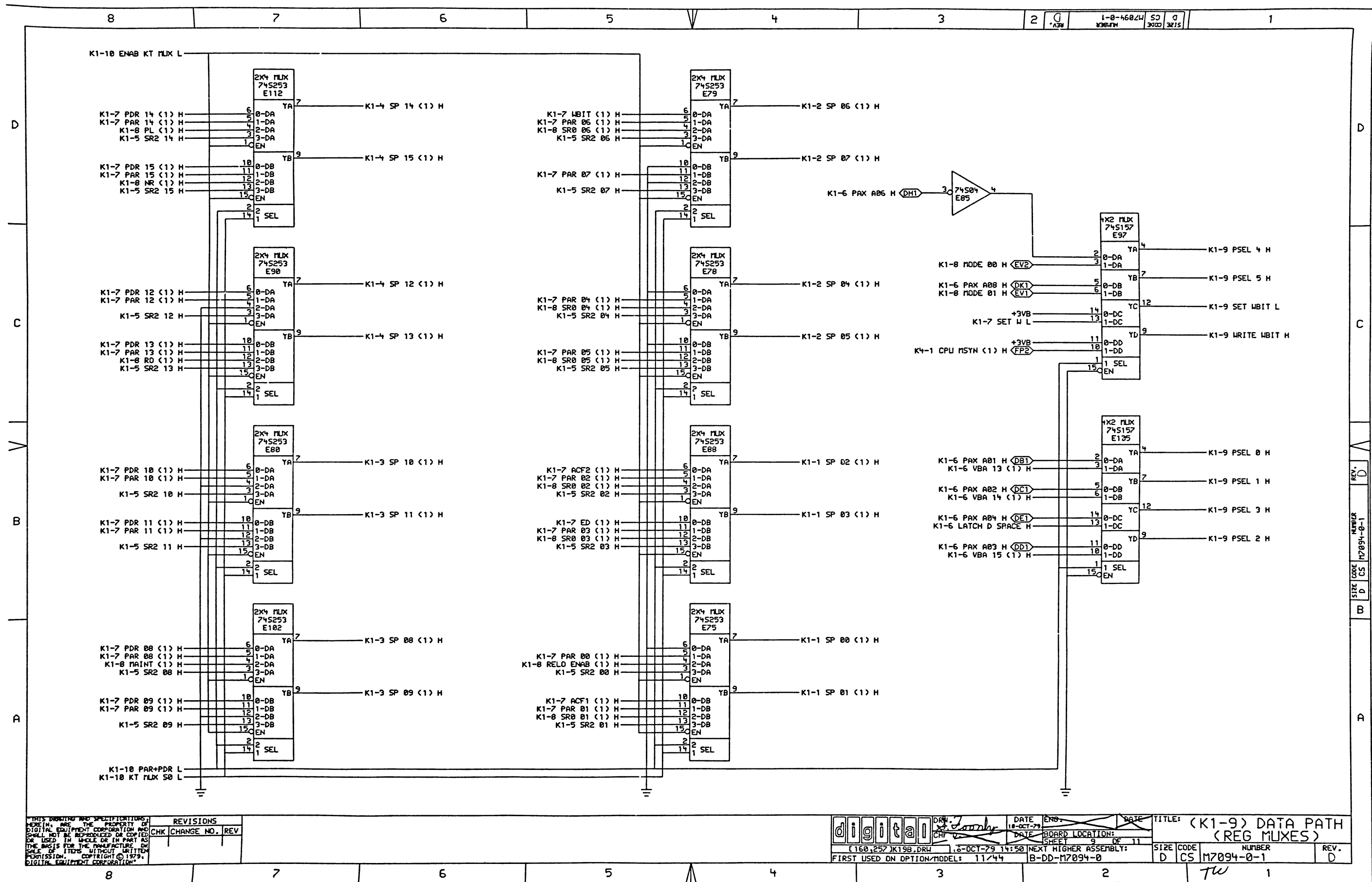
REVISIONS	
CHK	CHANGE NO. REV

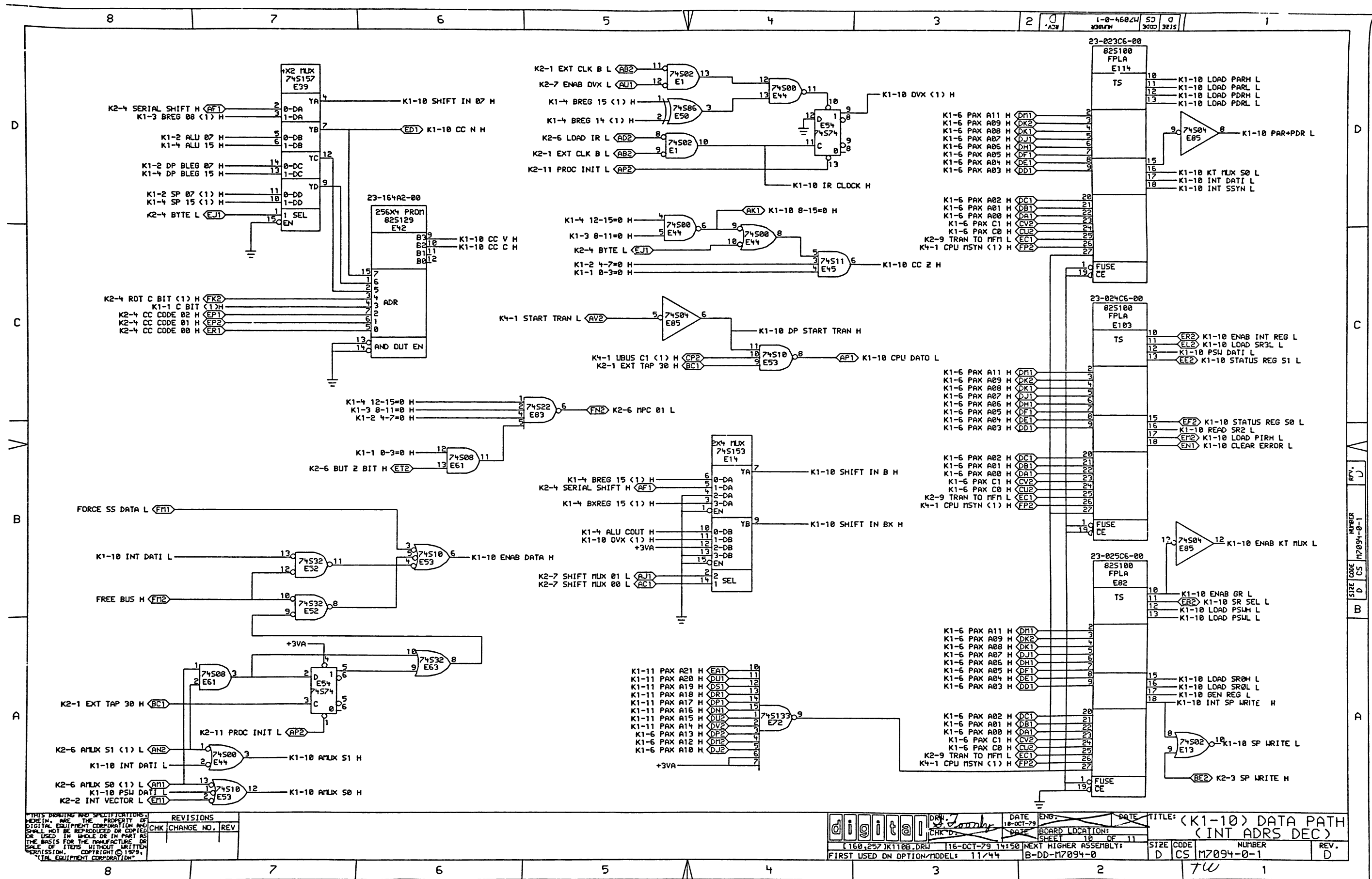
digital *DRW. J. J. L...* DATE 18-OCT-79 ENG. *...* DATE *...* TITLE: (K1-7) DATA PATH (PAR, PDR)

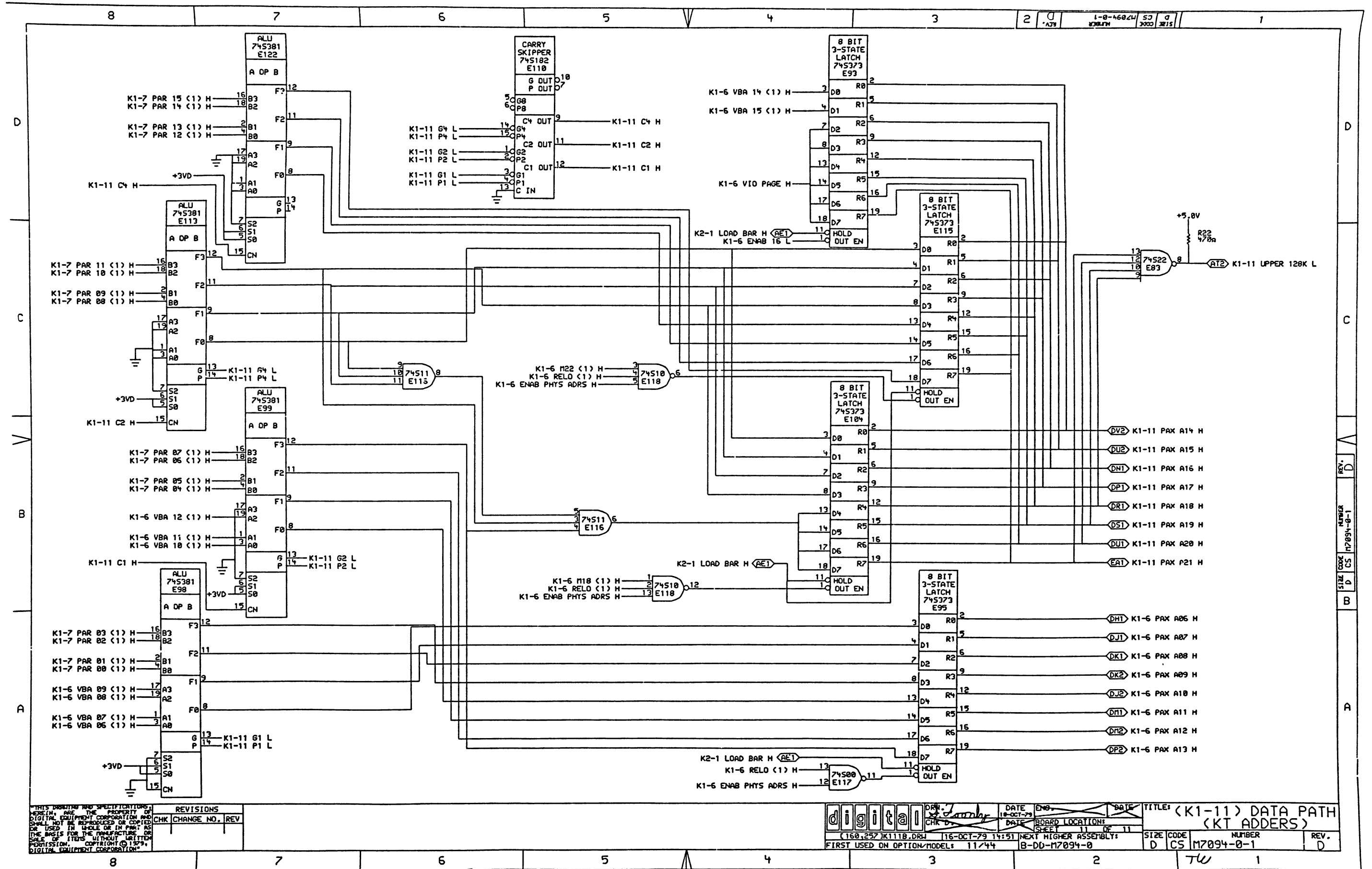
160,257 JK17B.DRW 16-OCT-79 14:18 NEXT HIGHER ASSEMBLY: 8-DD-M7094-0

SIZE	CODE	NUMBER	REV.
D	CS	M7094-0-1	D

REV. D
NUMBER M7094-0-1
SIZE CODE CS
D
B
A







LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1		5013557-00	ETCHED CIRCUIT BOARD	1	
2	2		1000076-00	39 MFD 10V 10% S.TANT	6	C1-C6
3	3		1012121-00	220.0 MMF 100V 1%200PPM MICA	1	C43
4	4		1012784-00	.047 MFD 50V +80-20% CER	36	C7-C42
5	5		1210711-02	/REPLACED BY 12-16988-02	1	
6	6		1215006-02	SOCKET 16PIN IC LOW PROFILE	1	XE42
7	7		1215006-03	SOCKET 18PIN IC LOW PROFILE	1	XE84
8	8		1215006-07	SOCKET 28PIN IC LOW PROFILE	3	XE82,XE103,XE114
9	9		1300316-00	470.0 .25 W 5.0 % CC	14	R1-R5,R7,R9,R11,R15-R19,R22
10	10		1300365-00	1.0 K .25 W 5.0 % CC	4	R6,R8,R10,R12
11	11		1302931-00	49.90 .25 W 1.0 % RN55D-F10	1	R21
12	12		1303114-00	1.0 K .25 W 1.0 % RN55D-F10	1	R20
13	13		1909050-00	7475 LATCH 4BIT	2	E89,E106
14	14		1910531-00	DEC 74S181 ALU-4BIT	4	E17,E27,E37,E47
15	15		1910532-00	74S00 NAND GATE-QUAD 2IN	3	E44,E107,E117
16	16		1910533-00	74S03 NAND GATE-QUAD 2IN,0	1	E120
17	17		1910534-00	74S04 INVERTER GATE-HEX 1I	3	E49,E85,E119
18	18		1910535-00	74S05 INVERTER GATE-HEX 1	1	E51
19	19		1910536-00	74S10 NAND GATE-TRIPLE 3IN	3	E53,E109,E118
20	20		1910537-00	74S11 AND GATE-TRIPLE 3INF	3	E22,E45,E116
21	21		1910540-00	74S22 NAND GATE-DUAL 4INPU	1	E83
22	22		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	3	E54,E55,E96
23	23		1910547-00	74S153 MUX 1 OF 4 (DUAL)	1	E14
24	24		1910548-00	74S157 MUX 1 OF 2 (QUAD)	12	E2,E9,E15,E19,E26,E39,E40,E62, E64,E97,E100,E105
25	25		1910550-00	74S174 FF-D HEX	1	E86
26	26		1910552-00	74S194 SHIFT REG.,4BIT RIGH	8	E4,E5,E8,E10,E11,E20,E30,E31
27	27		1910957-00	74S175 FF-D QUAD COMMON CLO	3	E16,E65,E111
28	28		1911271-00	74298 MUX 1 OF 4 W/STORA	1	E34
29	29		1911641-00	SN 74S257 MUX,QUAD 2 TO 1	2	E3,E29

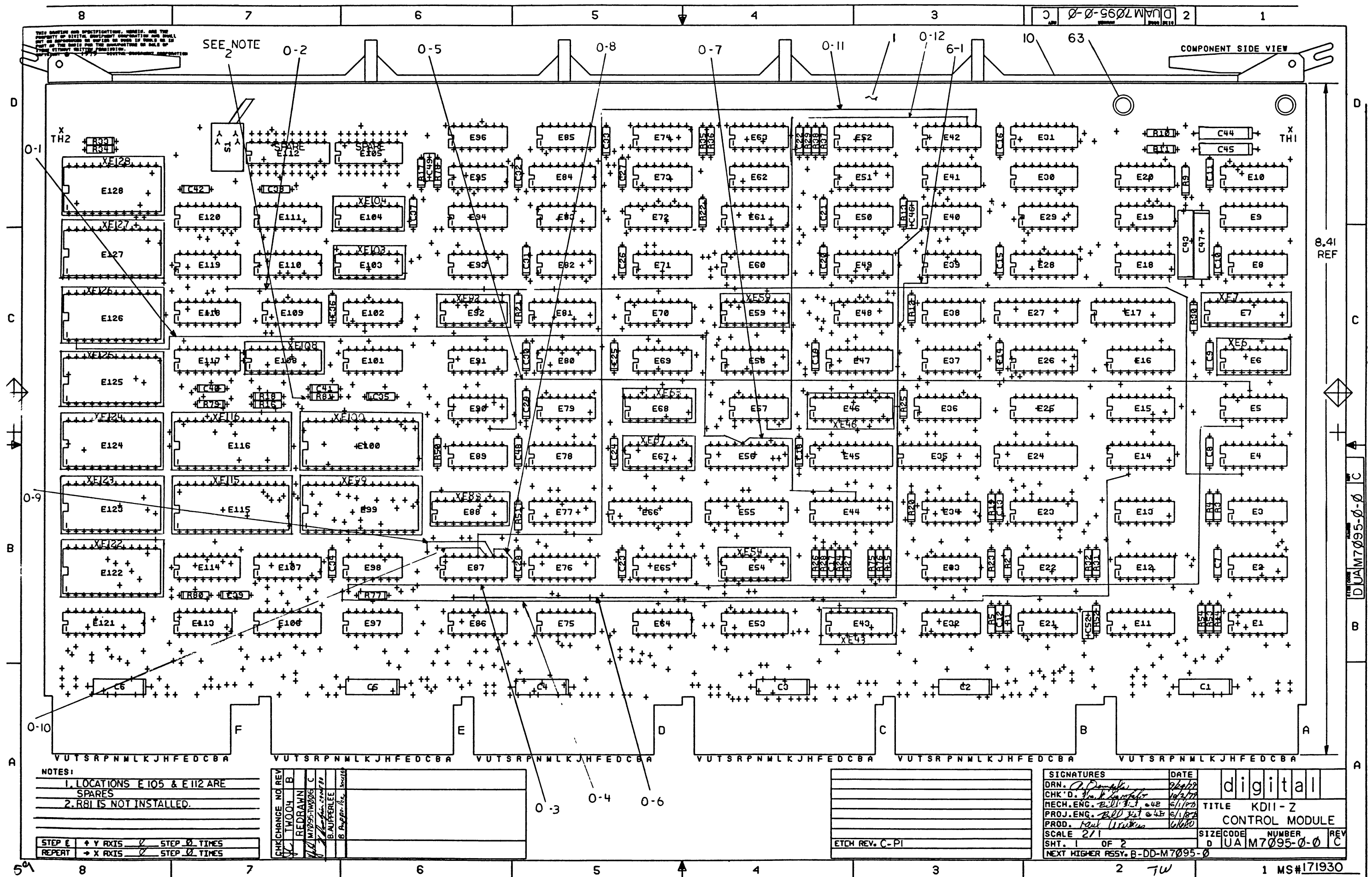
REVISION HISTORY			BASIC PART NO: M7094		DRN: K.FRIEDGEN		DATE:		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A						TITLE PARTS LIST	
---	INITIAL	A	SECTION VARIATION INDEX		CHK'D: E.T.GERRY		DATE: 23-JAN-79			
---	INIT	A	[A] 00						KD11-Z DATA PATH	
R,D	TW001	B	[B]							
RD	TW002	C	[C]		DES.ENG: R.DAY		DATE:			
JK	M7094-TW003	D	[D]						DOCUMENT NUMBER	
			[E]		RESP.ENG.: R.DAY		DATE: 23-JAN-79			
			[F]						SIZE CODE NUMBER REV	
			[G]							
			[H]		MFG.ENG.: M.LACROIX		DATE:		K PL M7094-0-DBP D	
			[I]							
			[J]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #	
			[K]		D-UA-M7094-0-0				Z0383.PLS 21	

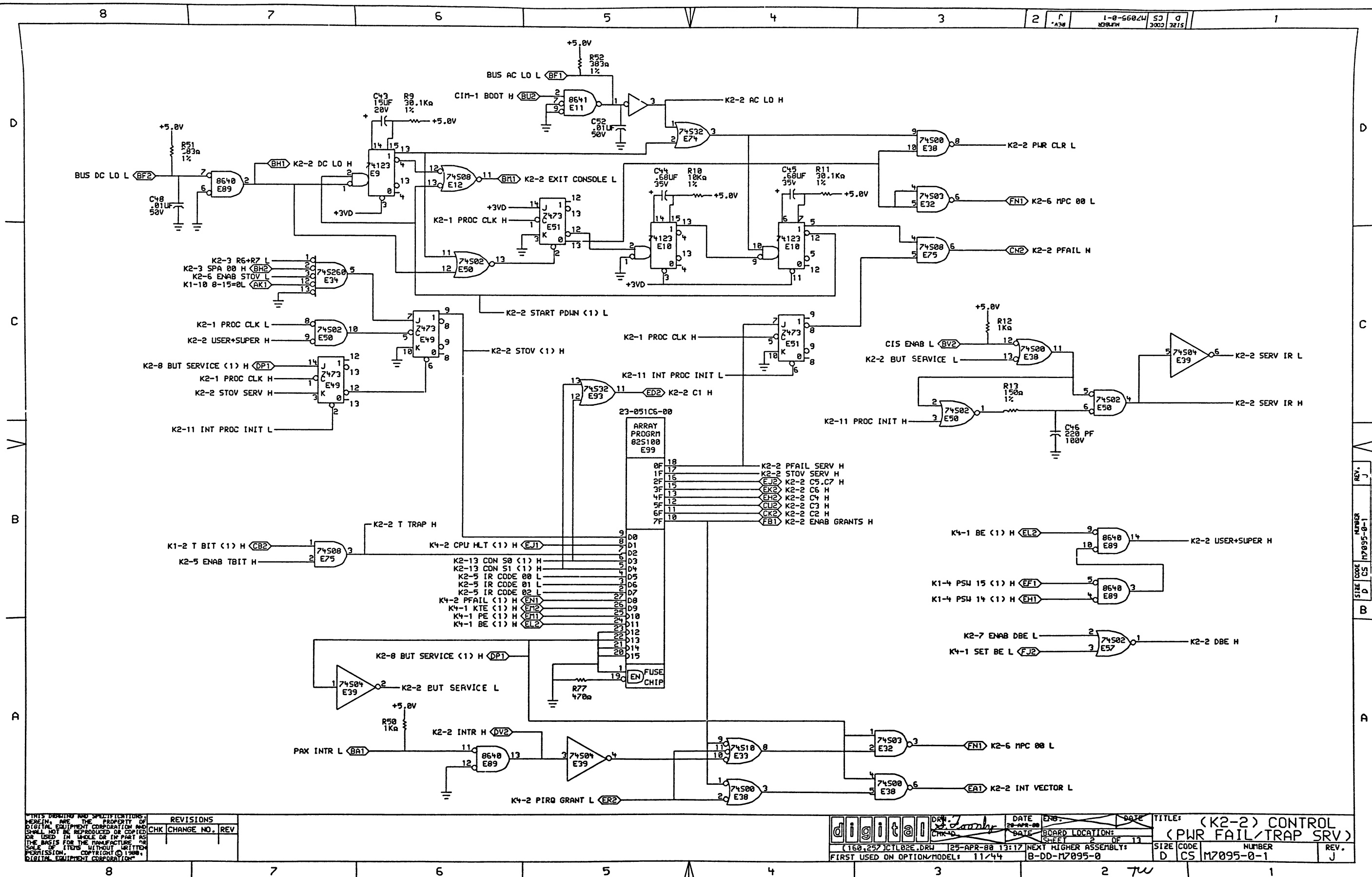
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION

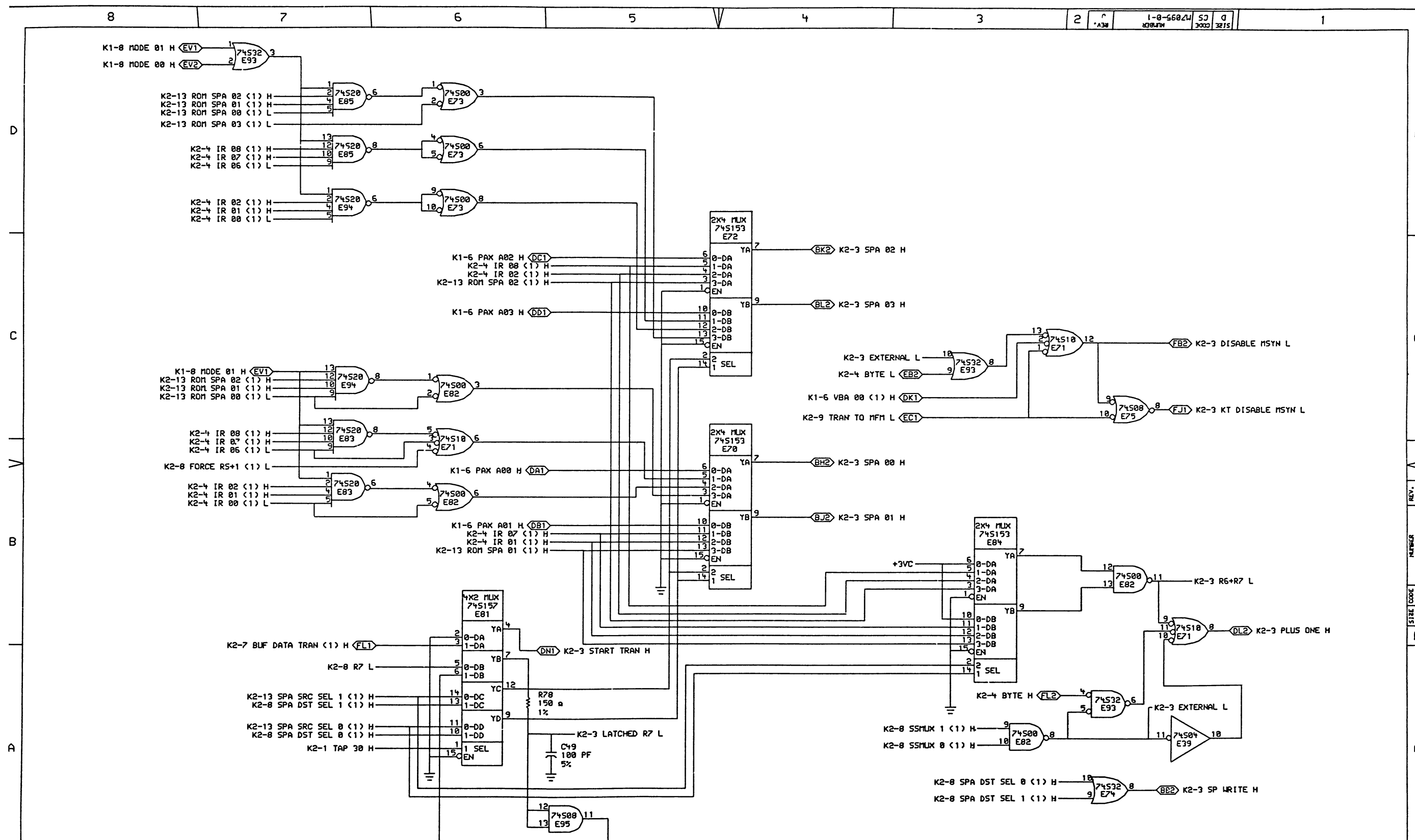
TW

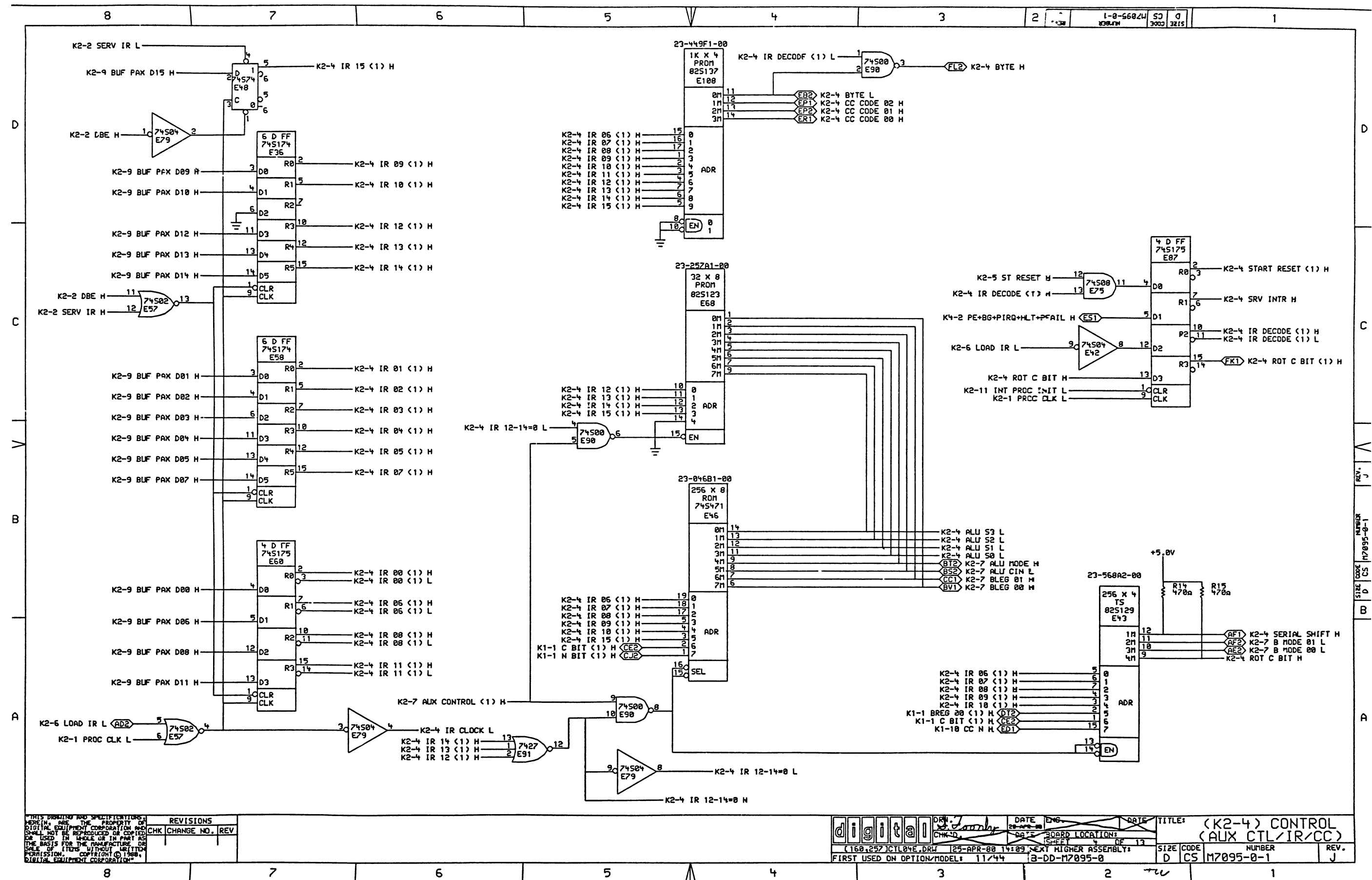
LINE ITEM		DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
30	30		1911983-00	74S133 NAND GATE-POSITIVE 1	1	E72
31	31		1916310-00	RAM,256X1,TRI STATE	1	E87
32	32		1912089-00	74S85 CMPRTR-4BIT MAGNITUD	2	E81,E92
33	33		1912096-00	DEC 74S86 XOR GATE,QUAD 2IN	1	E50
34	34		1912097-00	SN 74S182 LOOK AND CARRY GEN	2	E28,E110
35	35		1912388-00	74S02 NOR GATE-QUAD 2IN,PO	2	E1,E13
36	36		1912389-00	74S08 AND GATE-QUAD 2IN,PO	3	E60,E61,E73
37	37		1912586-00	DM 85S68N REGISTER,64BIT EDGE	4	E6,E7,E18,E48
38	38		1912660-00	74S253 MUX 1 OF 4 (DUAL)	16	E23,E24,E32,E33,E35,E43,E56,E57, CONT E75,E78-E80,E88,E90,E102,E112 E12,E52,E63,E74,E108
39	39		1913340-00	74S32 OR GATE-QUAD 2IN	5	E21
40	40		1913462-00	74S240 OCTAL BUFFER,INVERTI	1	E36,E46
41	41		1913493-00	74S241 OCTAL BUFFER,TRI-STA	2	E71,E77,E91,E93-E95,E104,E115
42	42		1913670-00	74S373 LATCH 8BIT TRASP TR	8	E76,E101
43	43		1913671-00	74S374 FF-D OCTAL TRISTATE	2	E98,E99,E113,E122
44	44		1913700-00	74S381 ALU-4BIT	4	E25,E38
45	45		1914085-00	74S260 NOR GATE-DUAL,POS	2	
46	46		1914558-00	*** THIS ITEM IS NOT USED ***	-	
47	47		1915697-00	RAM 256X4 TRI-STATE	7	E58,E59,E66-E70
48	48		23164A2-00	A2-05	1	E42
49	49		23023C6-00	C6-01	1	E114
50	50		23444F1-00	F1-02	1	E84
51	51		9000024-01	EYELET,ROLL FLANGE .1210DX .192	12	
52	52		1911637-00	74132 NAND GATE-QUAD 2 IN	1	E121
53	53		23024C6-00	C6-01	1	E103
54	54		23025C6-00	C6-01	1	E82
55	55		23000F1-01	*** THIS ITEM IS NOT USED ***	-	
56	56		9105740-55	WIRE(WRAP)30AWG UL1423	1	

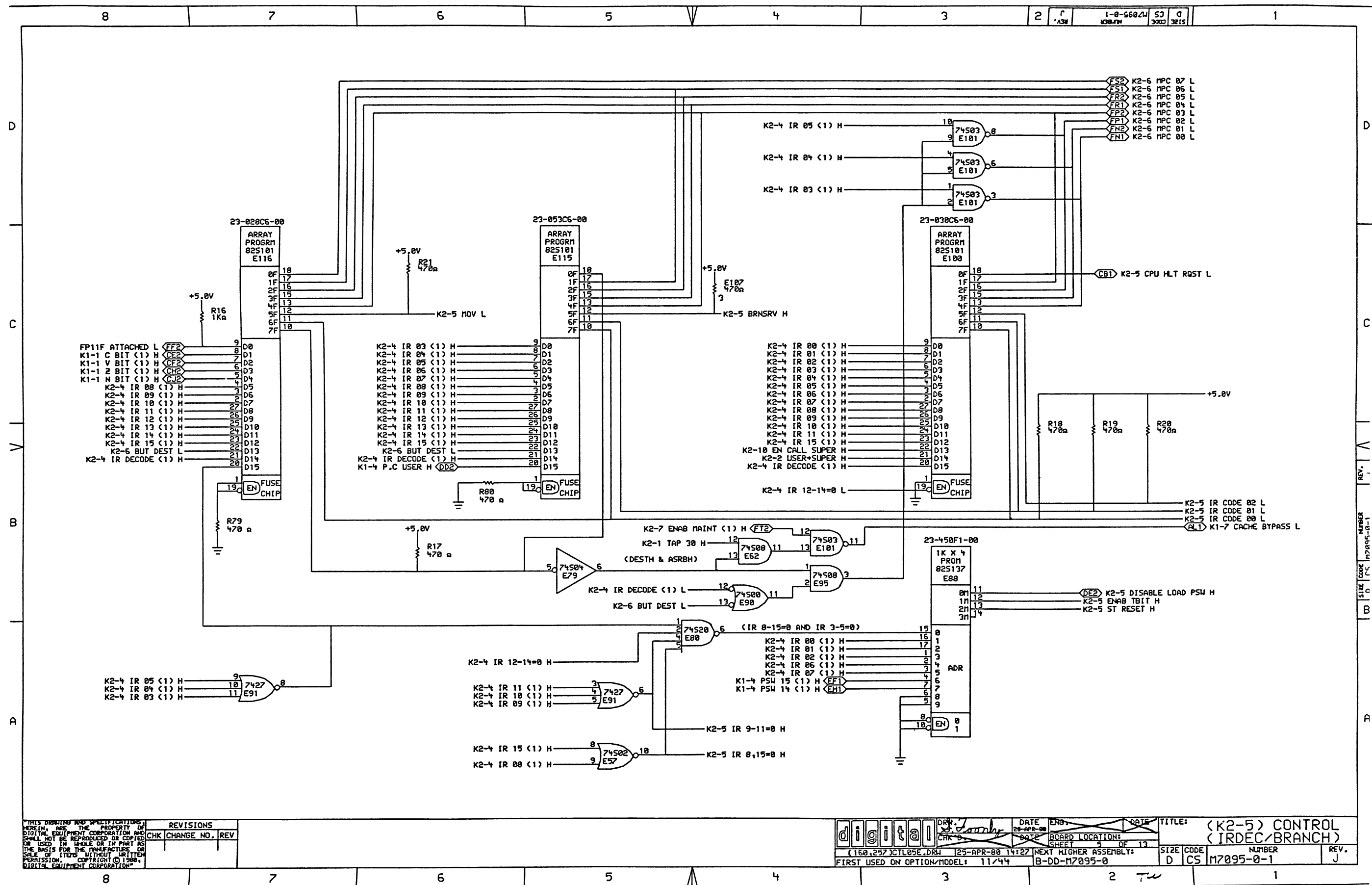
D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							RD11-Z DATA PATH		K	PL	M7094-0-DBP	D

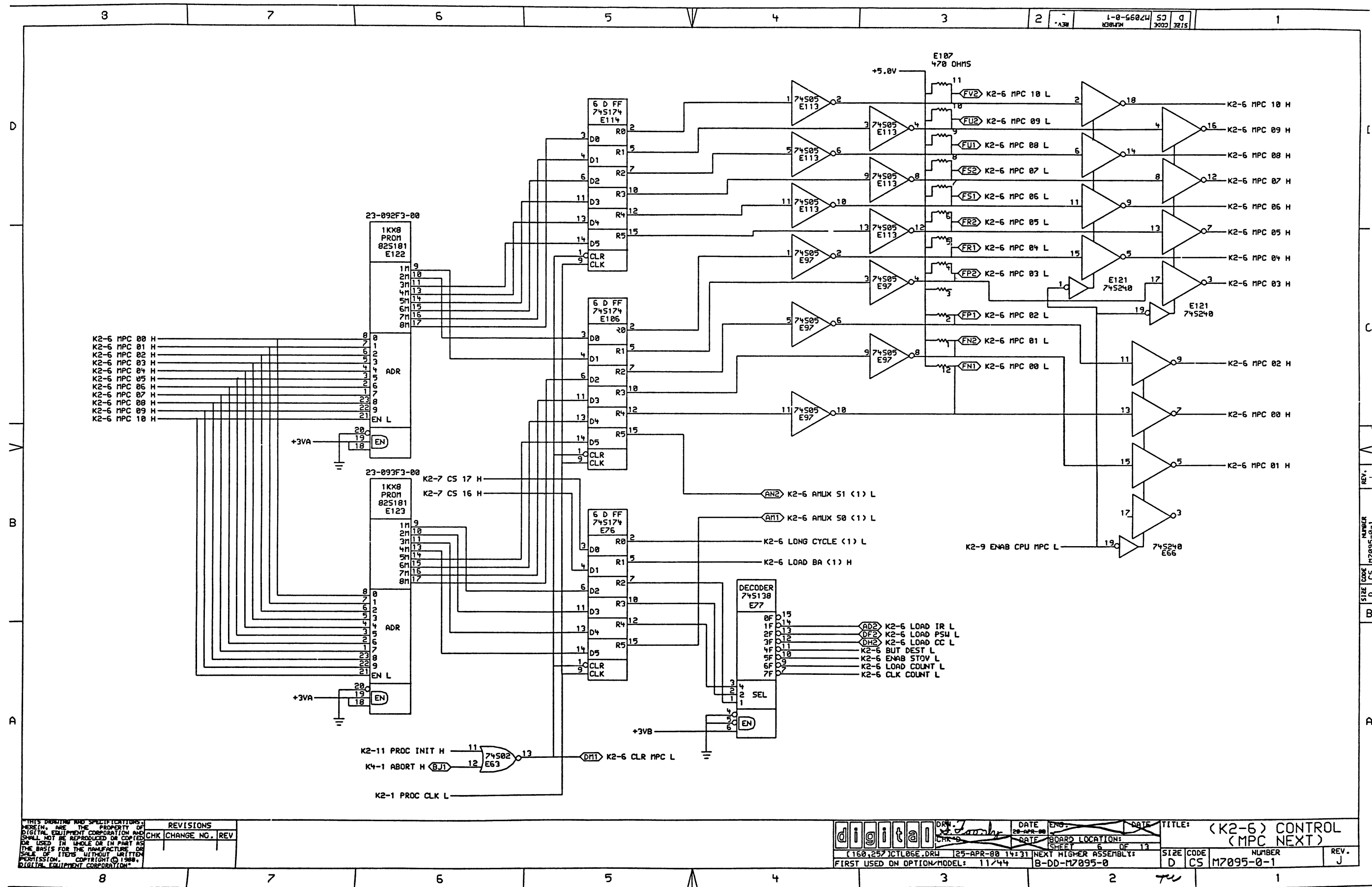


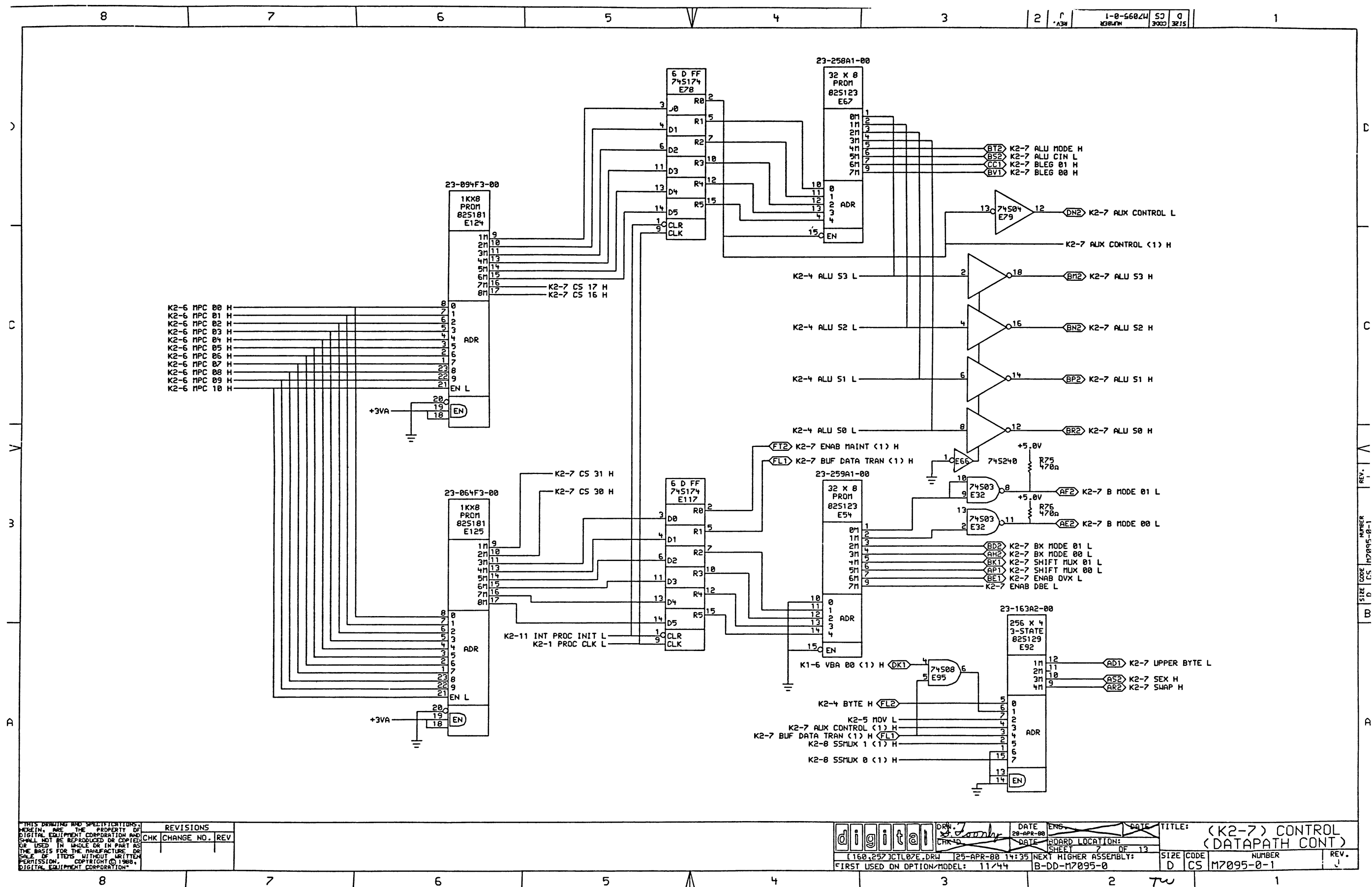


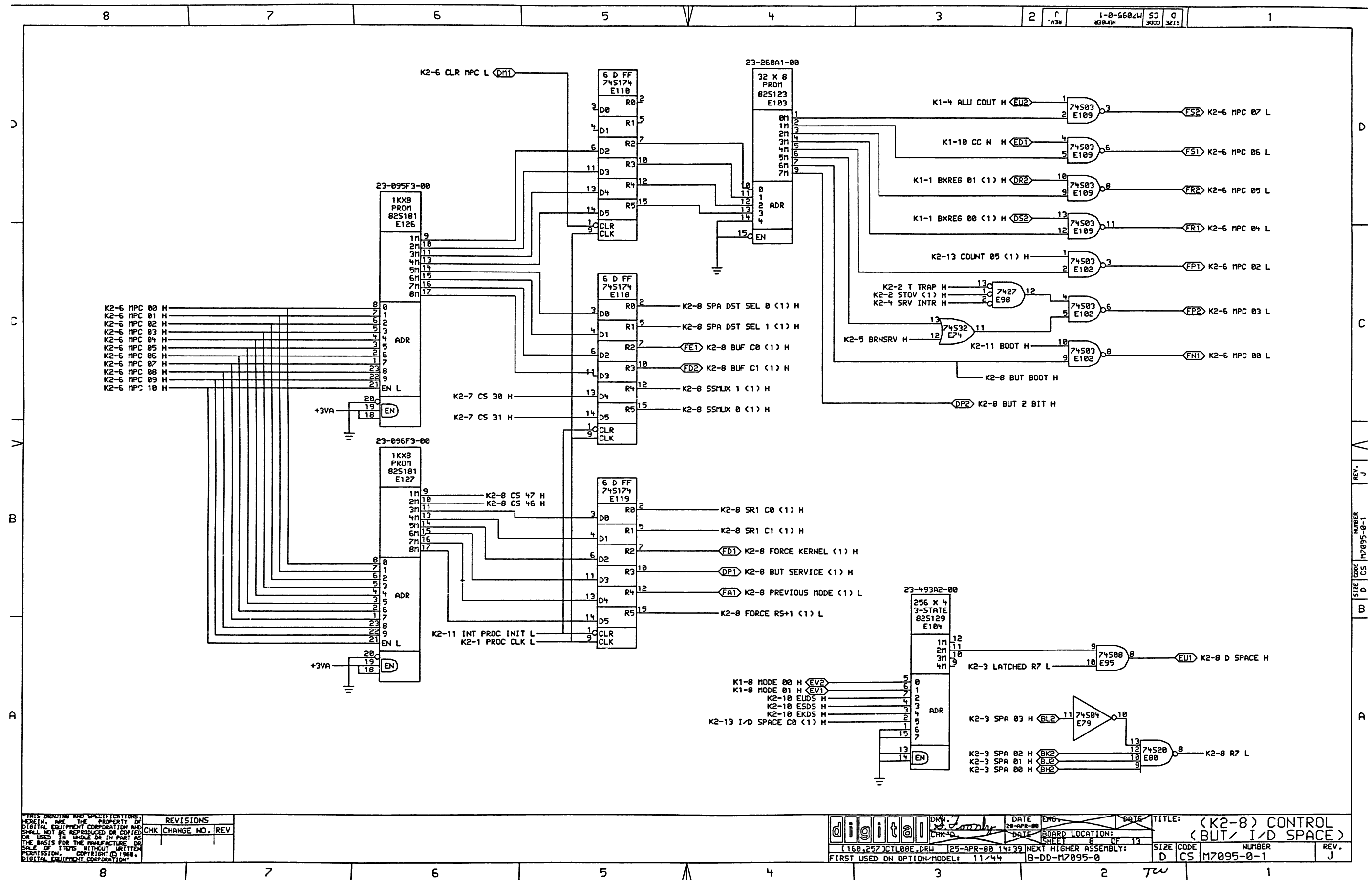


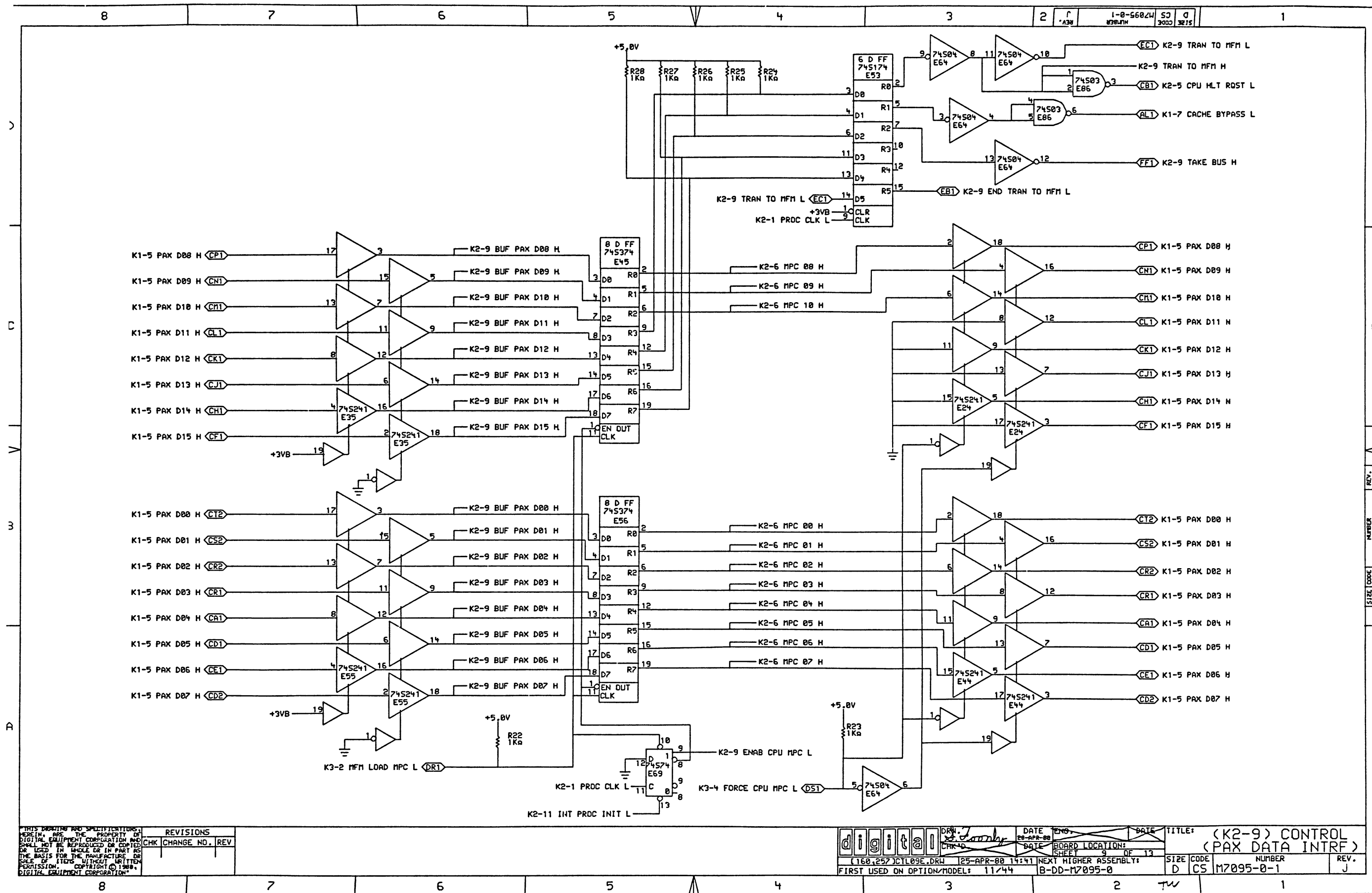








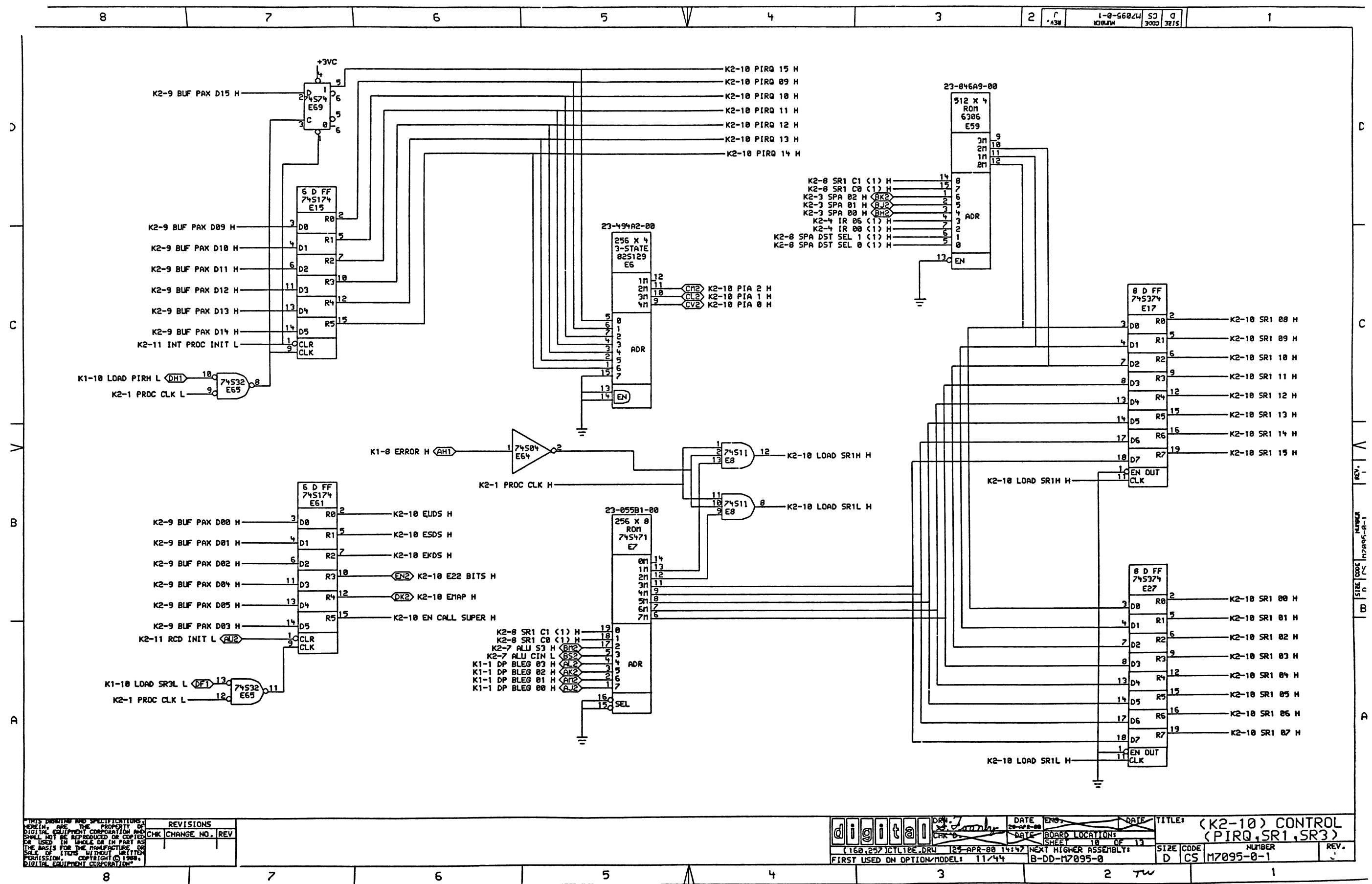


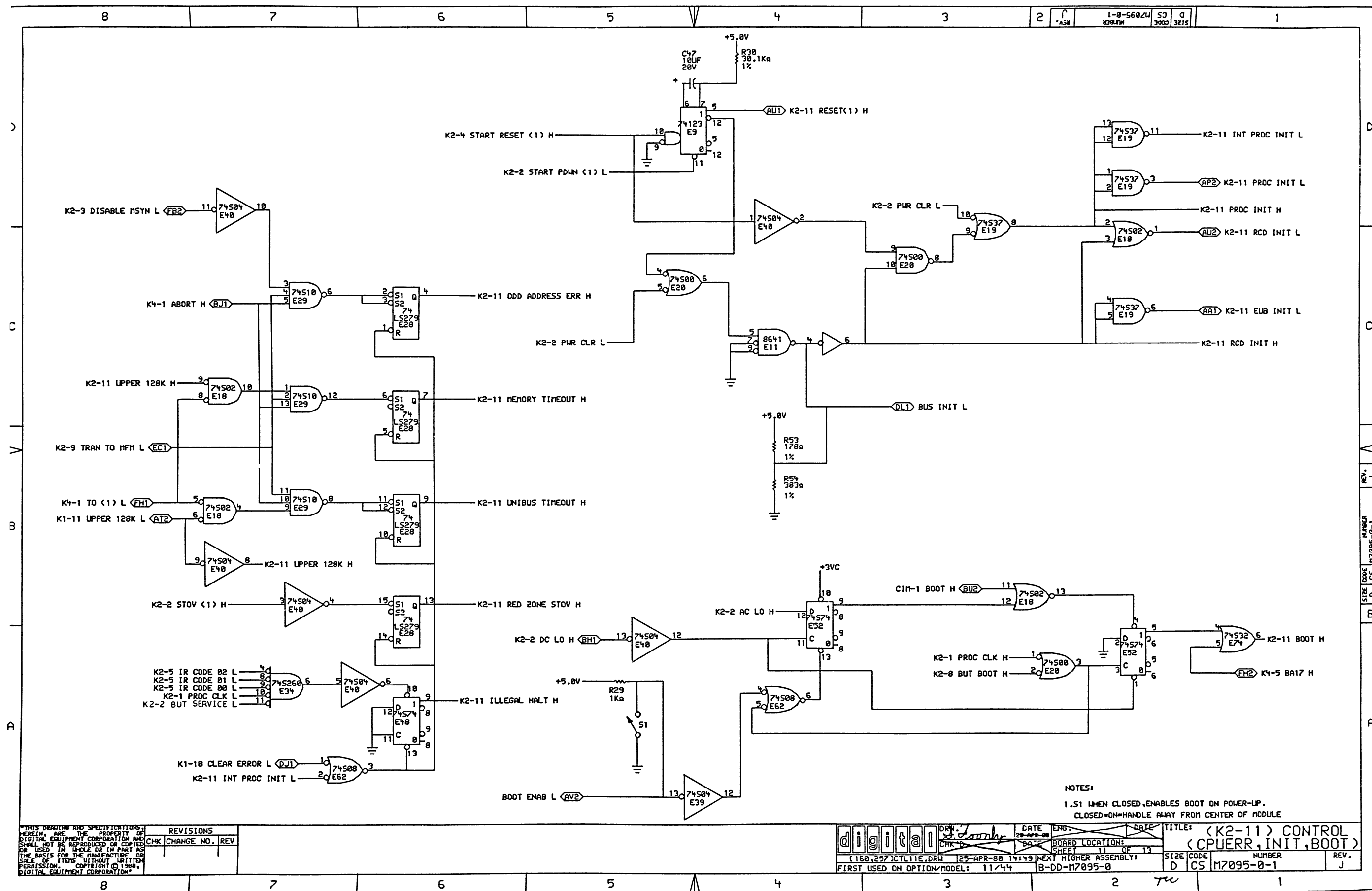


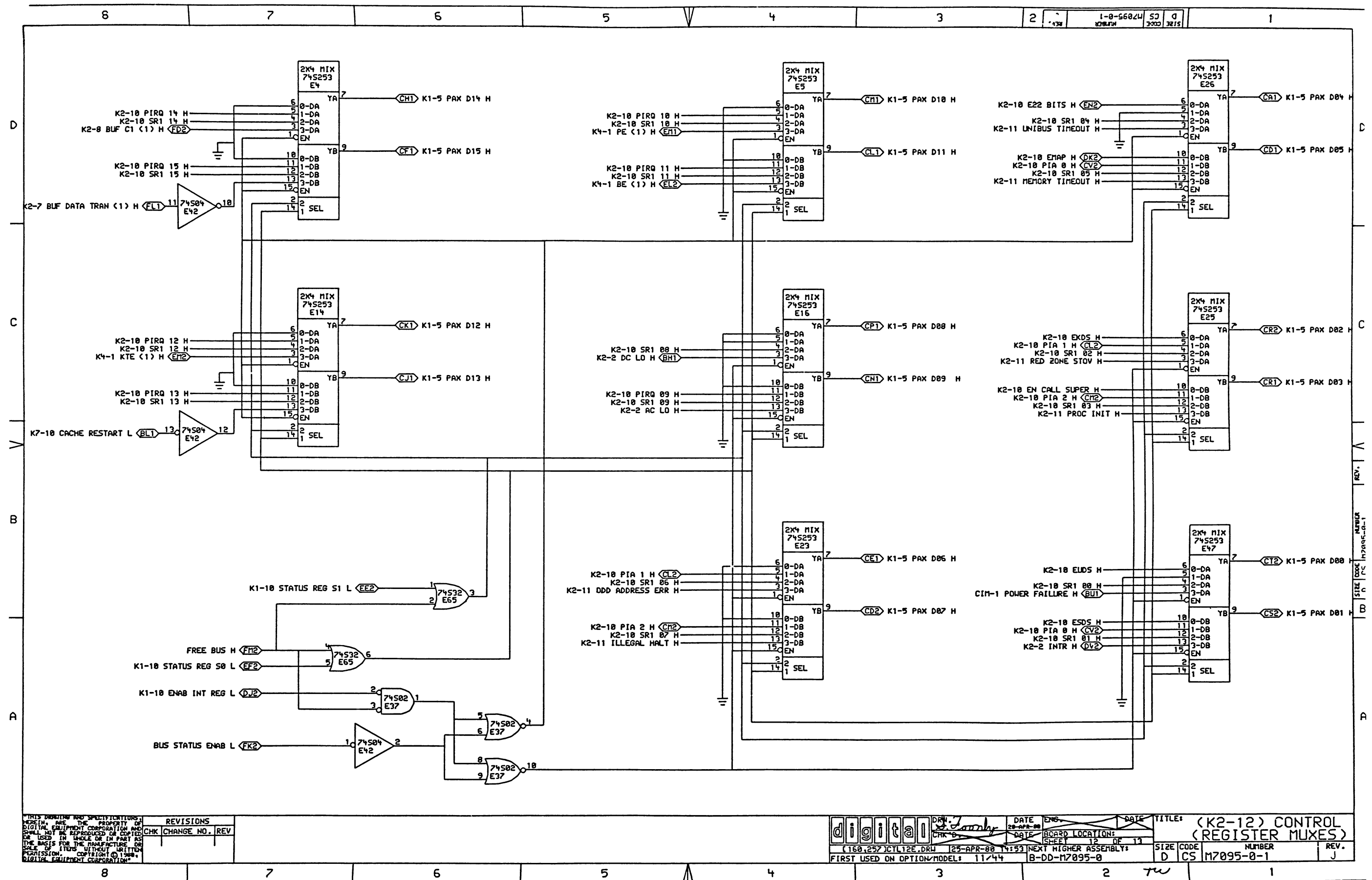
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1988, DIGITAL EQUIPMENT CORPORATION

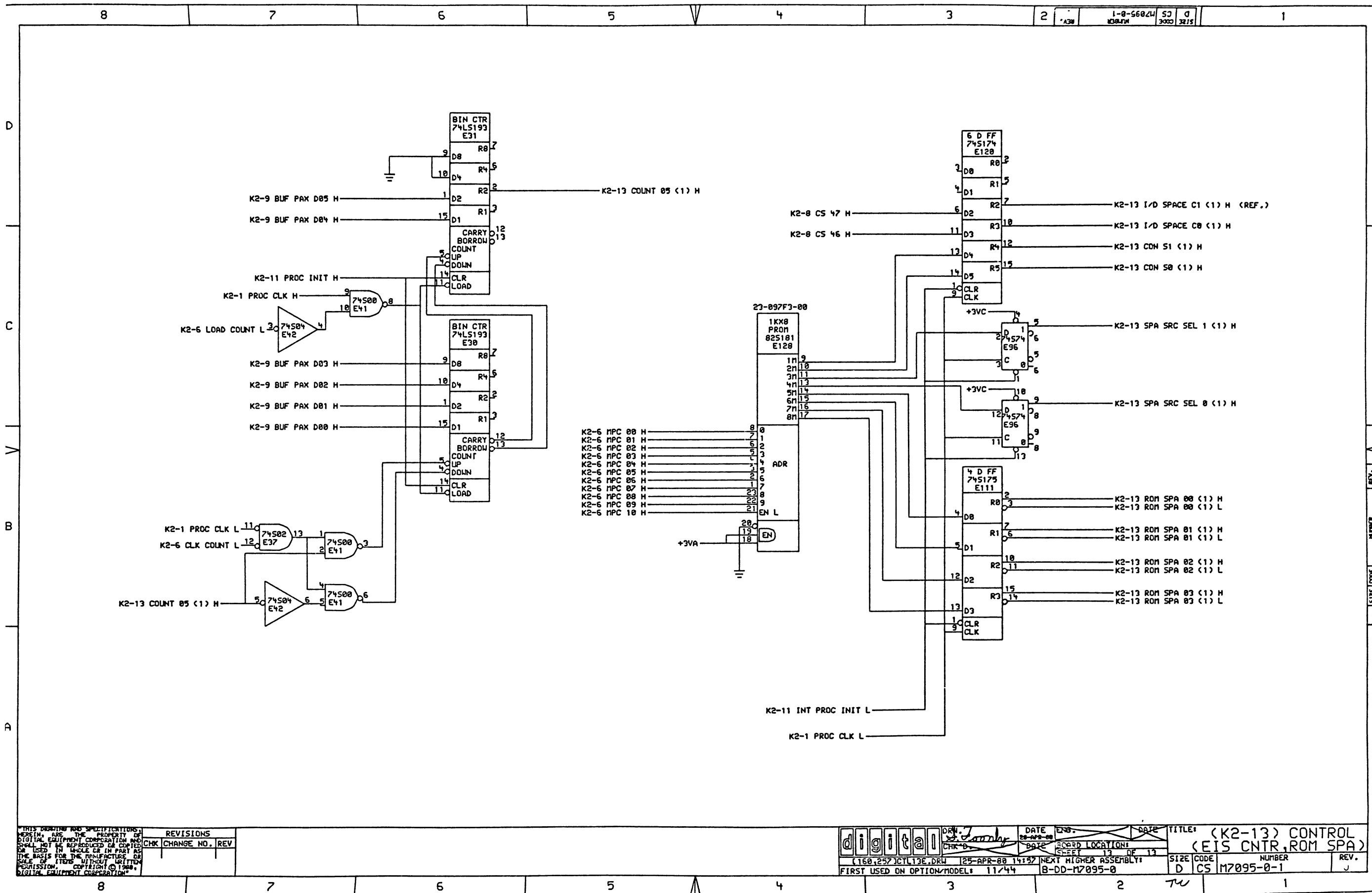
REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG.	DATE	TITLE:
	28-APR-88			(K2-9) CONTROL
(160,257)C1L09E.DRW	DATE	BOARD LOCATION:	SIZE	CODE
	125-APR-88 14:41	SHEET 9 OF 13		
FIRST USED ON OPTION/MODEL:	11/44	NEXT HIGHER ASSEMBLY:	B-DD-M7095-0	NUMBER
				CS M7095-0-1
				REV.
				J









LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1		5013573-00	PRINTED CIRCUIT BOARD FOR KD11-Z	1	
2	2		1000076-00	39 MFD 10V 10% S.TANT	6	C1-C6
3	3		1001610-00	.01 MFD 50V +80-20% 25U CER	2	C48,C52
4	4		1004812-00	15 MFD 20V 10% S.TANT	1	C43
5	5		1004813-00	10 MFD 20V 10% S.TANT	1	C47
6	6		1009964-00	.68 MFD 35V 10% S.TANT	2	C44,C45
7	7		1012121-00	220.0 MMF 100V 1%200PPM MICA	1	C46
8	8		1012784-00	.047 MFD 50V +80-20% CER	36	C7-C42
9	9		1210209-00	SW,T0G,SPDT,.01A@6V,ON/ON,SUBMIN	1	S1
10	10		1210711-02	/REPLACED BY 12-16988-02	1	
11	11		1215006-02	SOCKET 16PIN IC LOW PROFILE	9	XE6,XE43,XE54,XE67,XE68,XE92, CONT XE103,XE104,XE59
12	12		1215006-03	SOCKET 18PIN IC LOW PROFILE	2	XE108,XE88
13	13		1215006-04	SOCKET 20PIN IC LOW PROFILE	2	XE46,XE7
14	14		1215006-06	SOCKET 24PIN IC LOW PROFILE	7	XE122-XE128
15	15		1215006-07	SOCKET 28PIN IC LOW PROFILE	4	XE99,XE100,XE115,XE116
16	16		1300005-04	R NETWORK 15-470 5.0 % 16PIN	1	E107
17	17		1300316-00	470.0 .25 W 5.0 % CC	16	R14,R15,R17-R21,R31,R35,R37,R75, CONT R76,R33,R77,R79,R80
18	18		1300365-00	1.0 K .25 W 5.0 % CC	18	R1,R2,R12,R16,R24-R29,R32,R34, CONT R36,R38,R50,R5,R23,R22
19	19		1302411-00	511.0 .25 W 1.0 % RN55D-F10	1	R4
20	20		1303312-00	10.0 K .25 W 1.0 % RN55D-F10	1	R10
21	21		1304863-00	316.0 .25 W 1.0 % RN55D-F10	1	R3
22	22		1305125-00	383.0 .25 W 1.0 % RN55D-F10	3	R51,R52,R54
23	23		1311594-00	30.10 K .25 W 1.0 % RN55D-F10	3	R9,R11,R30
24	24		1313583-00	150.0 .25 W 1.0 % RN55D-F10	2	R13,R78
25	25		1612463-01	DELAY= 130NS,10TAPS 14PIN DIP	1	E3
26	26		1905587-00	DEC 7473 FF-JK DUAL,MASTER SL	2	E49,E51
27	27		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIG	1	E10

REVISION HISTORY			BASIC PART NO: M7095		DRN: K.FRIEDGEN		DATE: 26-JUN-79		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A									
--- INITIAL		A	SECTION.VARIATION INDEX		CHK'D: E.GERRY		DATE: 21-FEB-79		TITLE PARTS LIST			
R.D	TW001	B	[A] 00						KD11-Z CONTROL MODULE			
R.D	TW001	B	[B]									
R.D	TW002	C	[C]		DES.ENG: R.DAY		DATE: 21-FEB-79					
RN	M7095-TW003	D	[D]									
BG	M7095-TW004	E	[E]						DOCUMENT NUMBER			
MP	M7095-TW005	F	[F]		RESP.ENG.: R.DAY		DATE: 27-JUN-79					
B A	TW006	H	[H]						SIZE	CODE	NUMBER	REV
WA	M7095-TW007	J	[J]									
			[K]		MFG.ENG.: J.COMELLA		DATE: 27-JUN-79		K	PL	M7095-0-DBP	J
			[L]									
			[M]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[N]		D-UA-M7095-0-0				Z0398.PLS		41	
*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION *												

n3

TW

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
28	28	1910532-00	74S00 NAND GATE-QUAD 2IN	6	E20,E38,E41,E73,E82,E90
29	29	1910533-00	74S03 NAND GATE-QUAD 2IN,0	5	E32,E86,E101,E102,E109
30	30	1910534-00	74S04 INVERTER GATE-HEX 1I	6	E2,E39,E40,E42,E64,E79
31	31	1910535-00	74S05 INVERTER GATE-HEX 1	2	E97,E113
32	32	1910536-00	74S10 NAND GATE-TRIPLE 3IN	4	E21,E29,E33,E71
33	33	1910539-00	74S20 NAND GATE-DUAL 4INPU	4	E80,E83,E85,E94
34	34	1910544-00	74S74 FF-D DUAL,EDGE TRIGG	4	E48,E52,E69,E96
35	35	1910547-00	74S153 MUX 1 OF 4 (DUAL)	3	E70,E72,E84
36	36	1910548-00	74S157 MUX 1 OF 2 (QUAD)	1	E81
37	37	1910550-00	74S174 FF-D HEX	14	E15,E36,E53,E58,E61,E76,E78, CONT E106,E110,E114,E117-E120
38	38	1910878-00	7427 NOR GATE-TRIPLE 3IN	2	E91,E98
39	39	1910957-00	74S175 FF-D QUAD COMMON CLO	3	E60,E87,E111
40	40	1911469-00	DEC 8640 RECEIVER,BUS,QUAD,U	1	E89
41	41	1911579-00	8641 TRANSCEIVER,BUS,QUA	1	E11
42	42	1911675-00	74S138 DECODER/DEMUX 3-8 LIN	1	E77
43	43	1911712-00	74S51 AND-OR GATE-INVERT D	1	E13
44	44	1912388-00	74S02 NOR GATE-QUAD 2IN,PO	5	E18,E37,E50,E57,E63
45	45	1912389-00	74S08 AND GATE-QUAD 2IN,PO	4	E12,E62,E75,E95
46	46	1912660-00	74S253 MUX 1 OF 4 (DUAL)	8	E4,E5,E14,E16,E23,E25,E26,E47
47	47	1912746-00	DEC 74S37 NAND GATE-QUAD 2IN	3	E1,E19,E22
48	48	1912854-00	LS193 COUNTER,SYNCHR,4BIT,	2	E30,E31
49	49	1912864-00	LS279 LATCH,QUAD-S-R	1	E28
50	50	1913340-00	74S32 OR GATE-QUAD 2IN	3	E65,E74,E93
51	51	1913462-00	74S240 OCTAL BUFFER,INVERTI	2	E66,E121
52	52	1913493-00	74S241 OCTAL BUFFER,TRI-STA	4	E24,E35,E44,E55
53	53	1913671-00	74S374 FF-D OCTAL TRISTATE	4	E17,E27,E45,E56
54	54	1914085-00	74S260 NOR GATE-DUAL,POS	1	E34
55	55	23259A1-00	A1-07	1	E54
56	56	23258A1-00	A1-07	1	E67
57	57	23257A1-00	A1-07	1	E68
58	58	23260A1-00	A1-07	1	E103
59	59	23494A2-00	A2-05	1	E6
60	60	23568A2-00	A2-05	1	E43
61	61	23163A2-00	A2-05	1	E92
62	62	23493A2-00	A2-05	1	E104
63	63	9000024-01	EYELET,ROLL FLANGE .1210DX .192	12	
64	64	23846A9-00	A9-01	1	E59
65	65	23055B1-00	B1-01	1	E7
66	66	23046B1-00	B1-01	1	E46
67	67	23051C6-00	C6-01	1	E99
68	68	23030C6-00	C6-02	1	E100
69	69	23053C6-00	C6-02	1	E115
70	70	23028C6-00	C6-02	1	E116
71	71	23450F1-00	F1-01	1	E88
72	72	23449F1-00	F1-01	1	E108
73	73	23092F3-00	F3-03	1	E122
74	74	23093F3-00	F3-03	1	E123

I	D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
I		I		I		I		KD11-Z CONTROL MODULE		I		M7095-0-DBP	J
I		I		I		I				I			

TW

74

AUTOMATED BY PRTLST.3H(23)

PARTS LIST

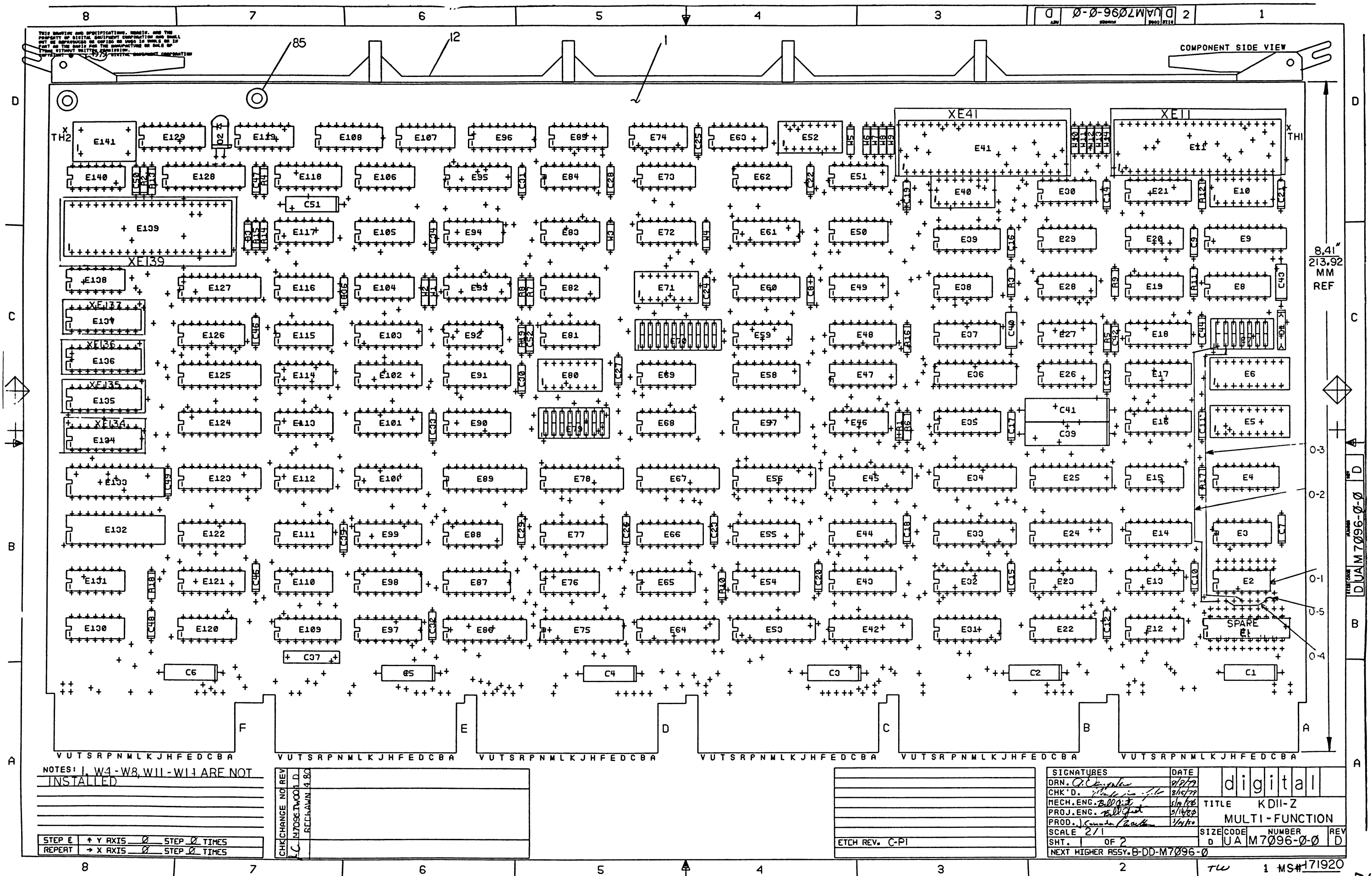
SHEET A3 OF A3

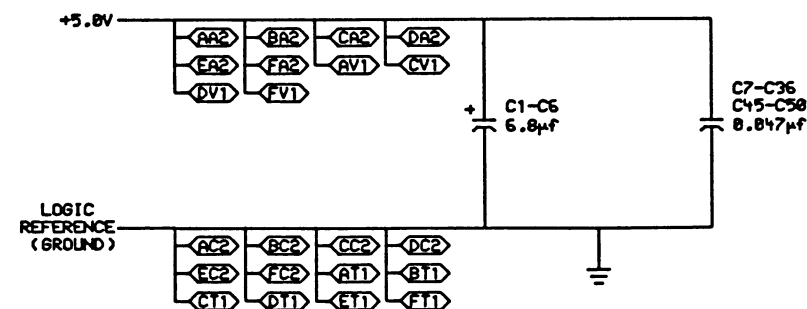
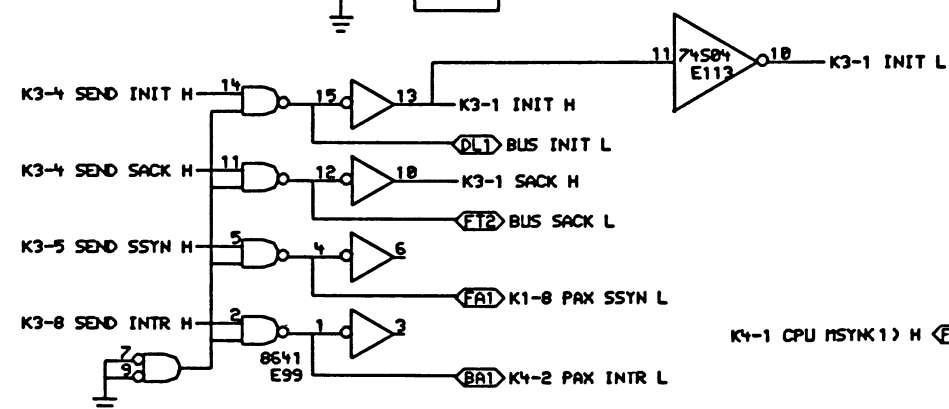
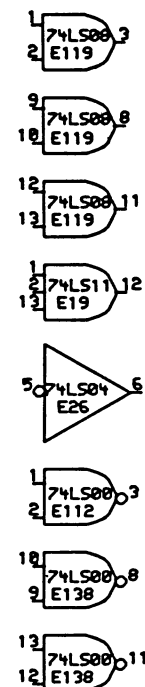
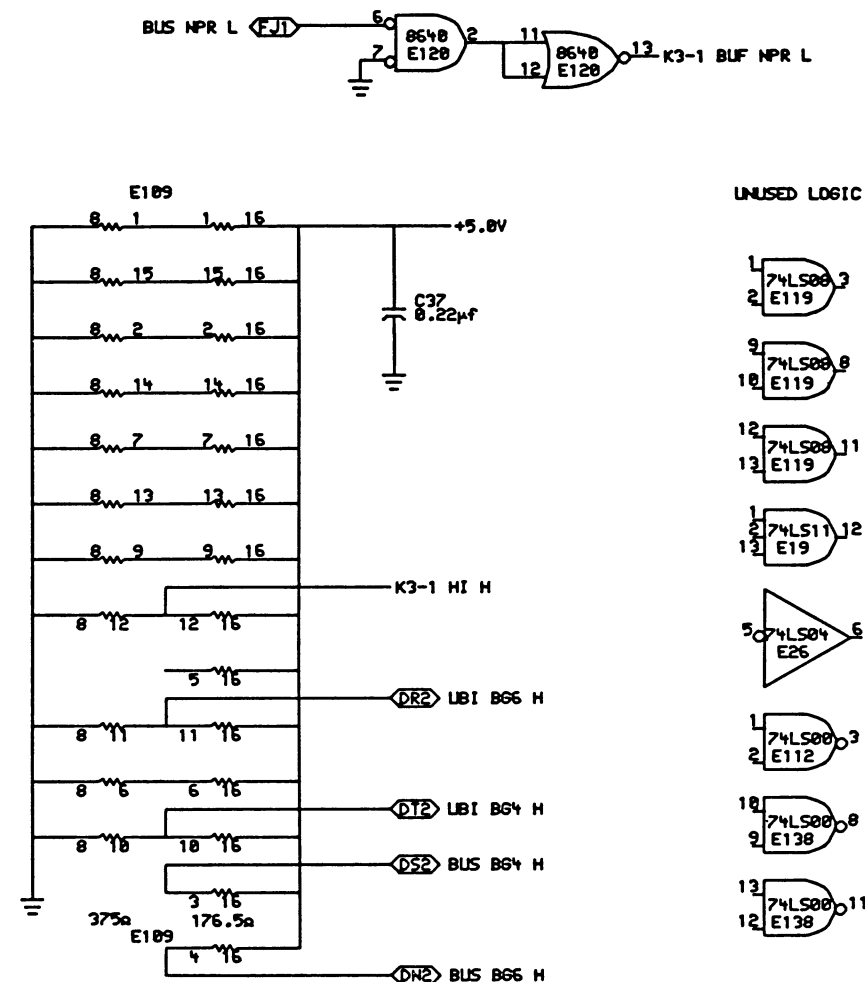
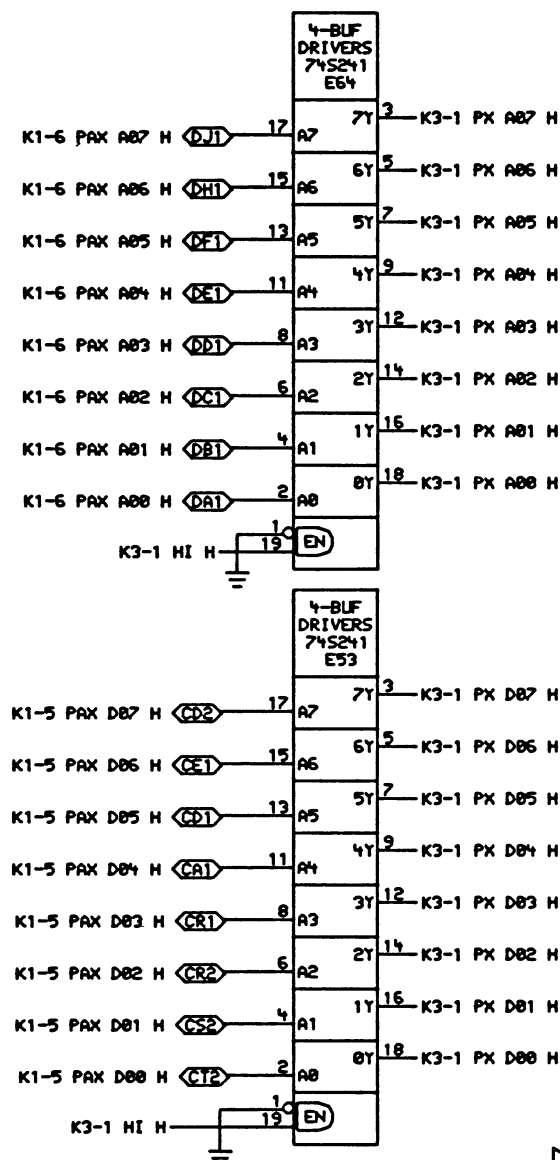
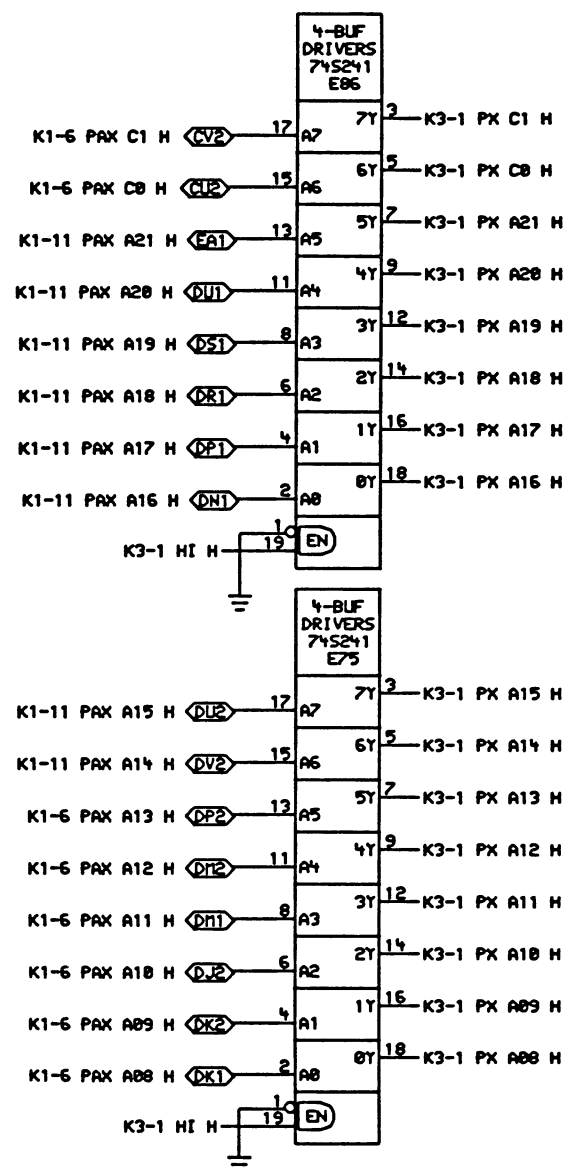
LINE ITEM		DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
75	75		23094F3-00	F3-03	1	E124
76	76		23064F3-00	F3-03	1	E125
77	77		23095F3-00	F3-03	1	E126
78	78		23096F3-00	F3-03	1	E127
79	79		23097F3-00	F3-03	1	E128
80	81		1311422-00	178.0 .25 W 1.0 % RN55D-F10	1	R53
81	82		1000016-00	100.0 MMF 100V 5%200PPM MICA	1	C49
82	83		9105740-55	WIRE(WRAP)30AWG UL1423	7	
83	84		1910537-00	74S11 AND GATE-TRIPLE 3INP	1	E8
84	85		1910436-02	74123 MULTIVIBRATOR,DUAL,M	1	E9

85 NOTE: (ITEM 83) LENGTH IS IN FEET.

D I G I T A L							TITLE		KD11-Z CONTROL MODULE		SECTION A OF A		SIZE	CODE	DOCUMENT NUMBER	REV
													K	PL	M7095-0-DBP	J

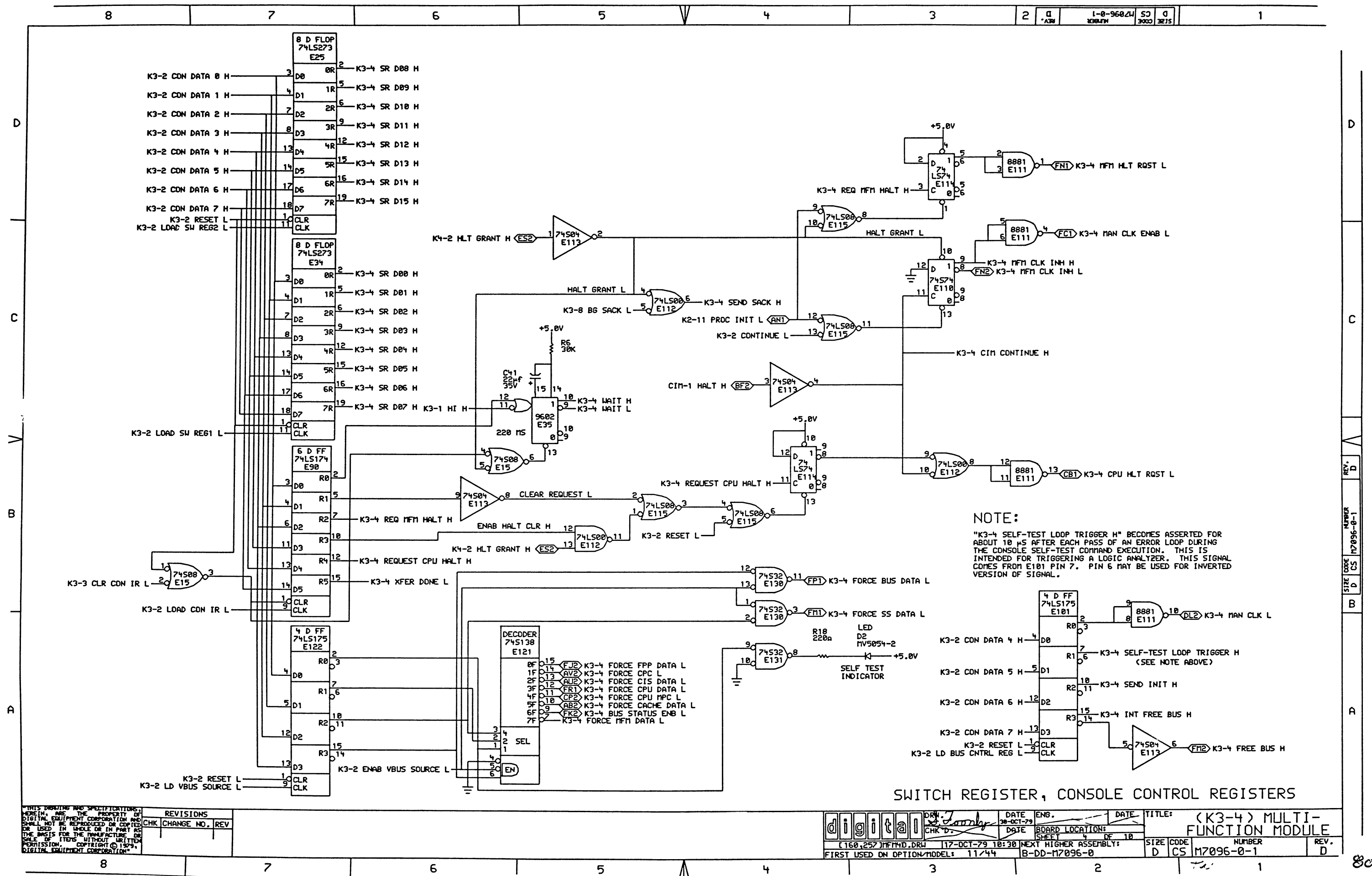
TW

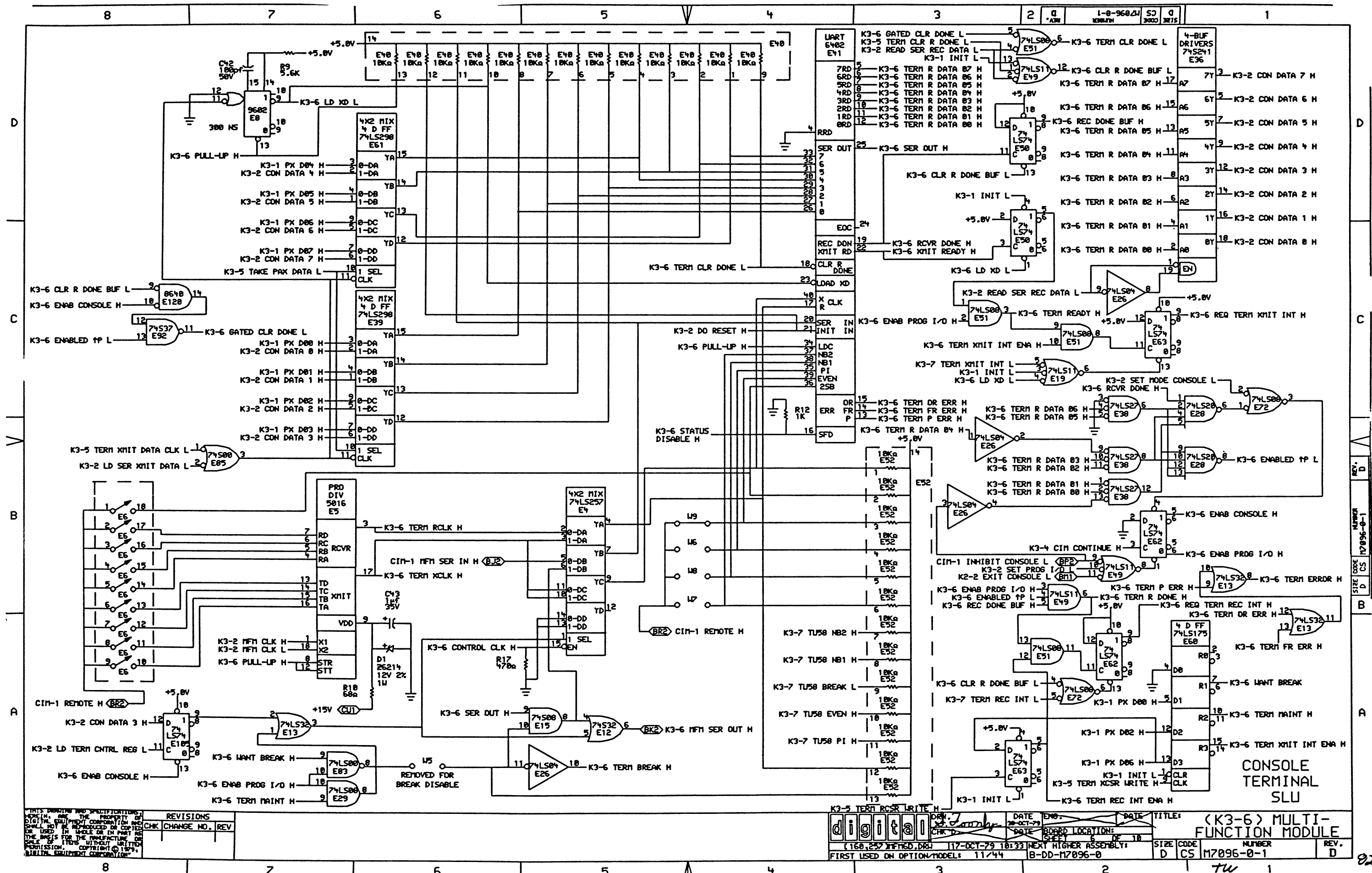


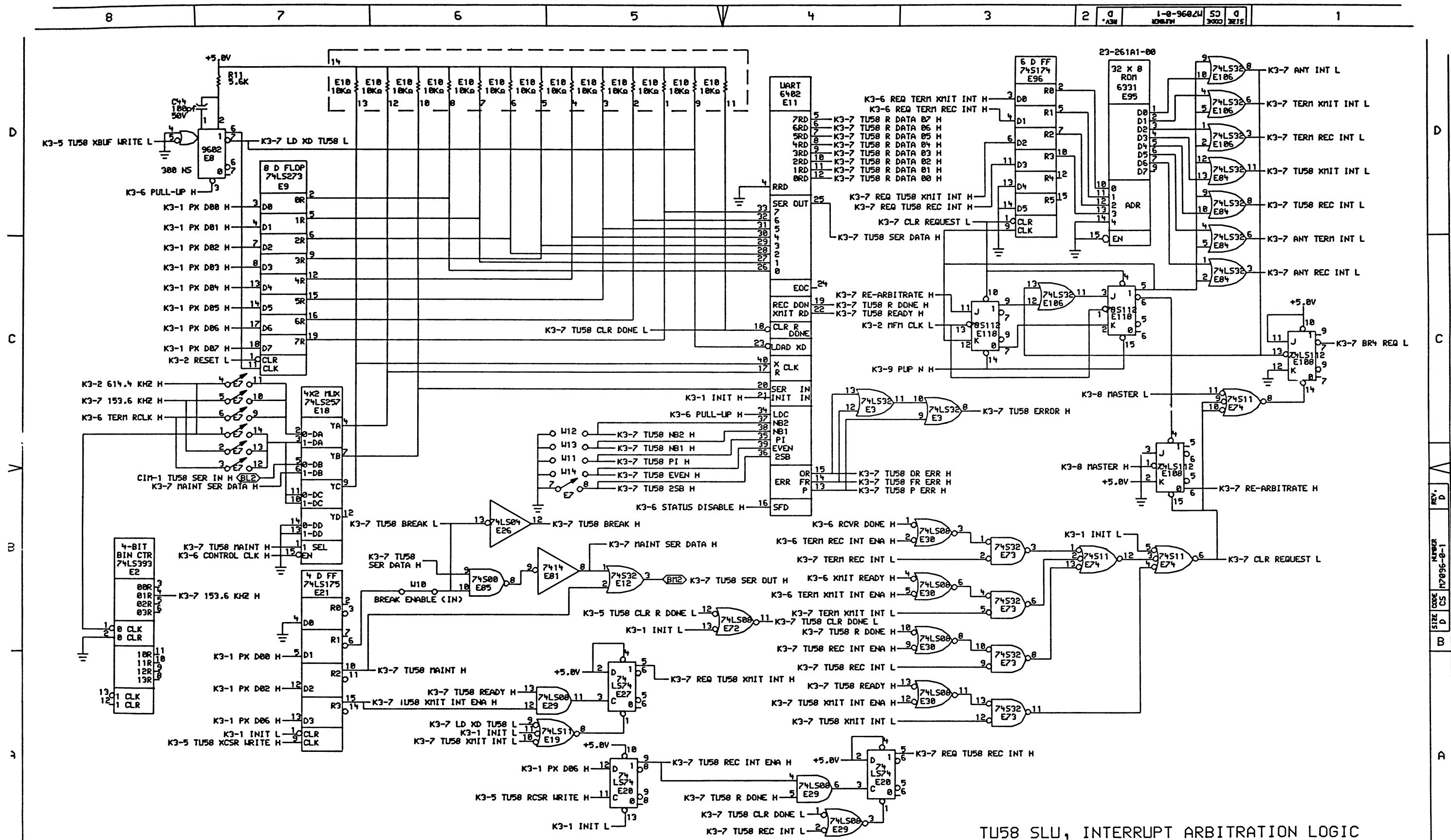


PAX BUS RECEIVERS, BUS CONTROL INTERFACE

NOTE: SEE PAGES K3-5, K3-8, AND
K3-10 FOR JUMPER AND
SWITCH DEFINITIONS







TU58 SLU, INTERRUPT ARBITRATION LOGIC

8

7

6

5

4

3

2

1

1-8-96024

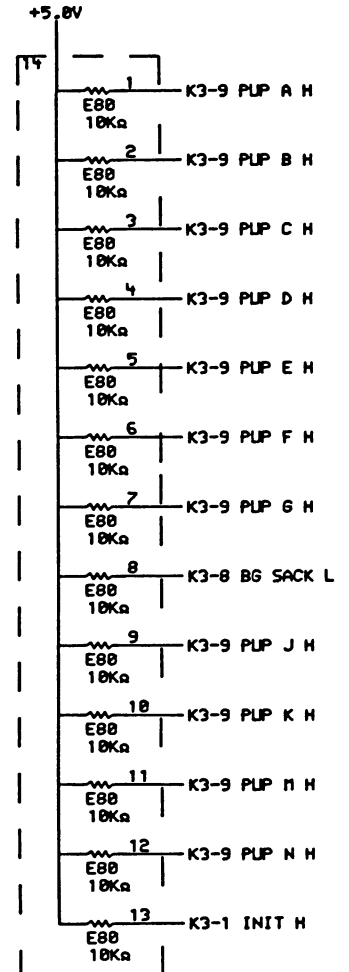
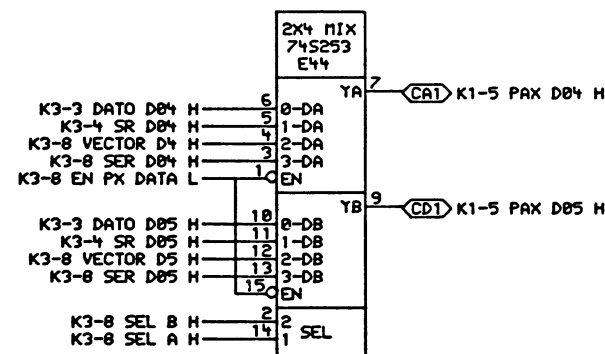
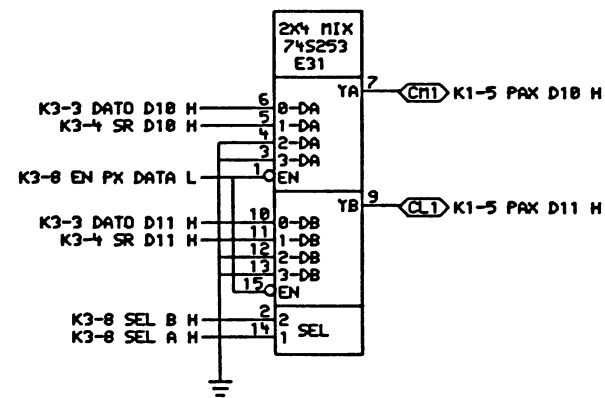
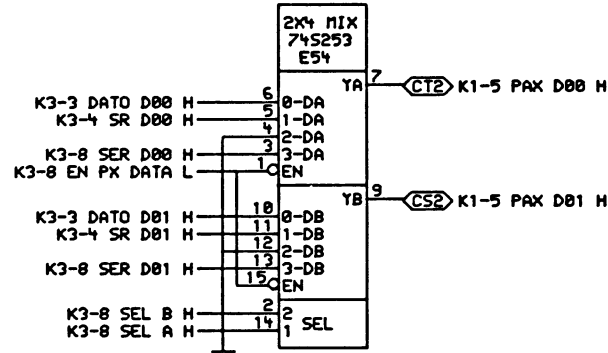
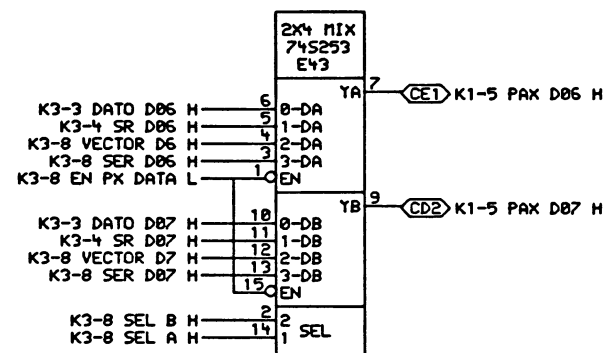
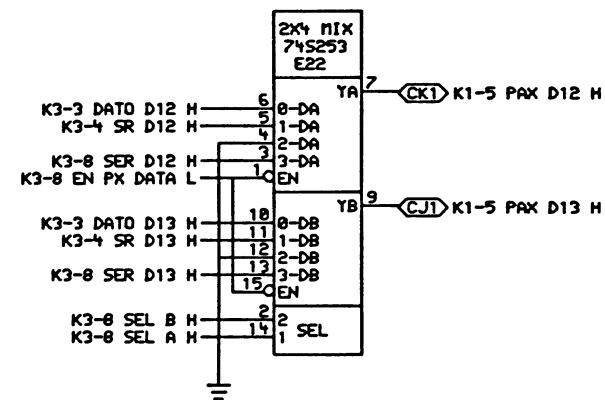
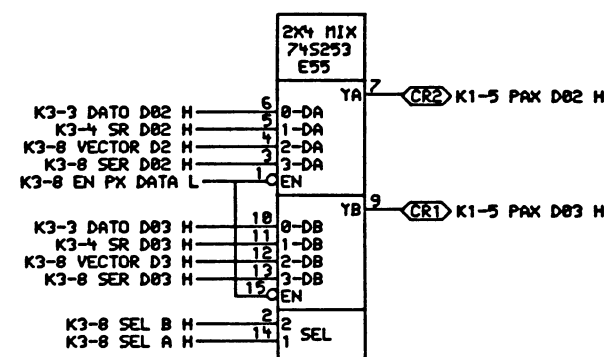
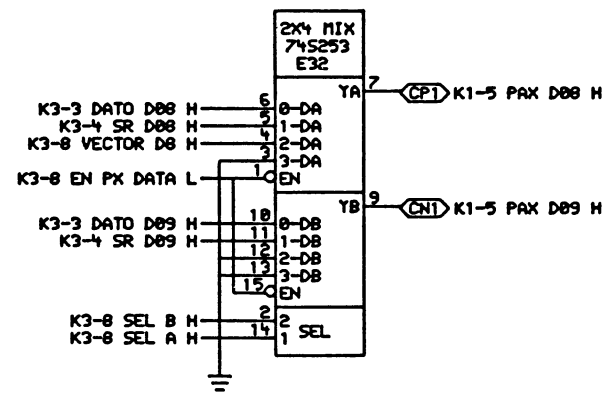
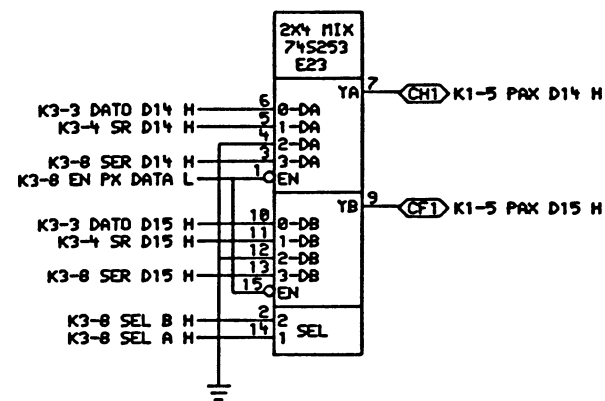
SC

3000

0

3015

1



PAX DATA MUX / DRIVERS

THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.

REVISIONS

CHK	CHANGE NO.	REV

digit@l

DATE 31-OCT-79

DATE 17-OCT-79

DATE 10:36

DATE 11/44

DATE 11/44

DATE 11/44

DATE 11/44

DATE 11/44

DATE 11/44

DATE 11/44

FIRST USED ON OPTION/MODEL: 11/44

17-OCT-79 10:36

11/44

11/44

11/44

11/44

11/44

11/44

11/44

11/44

11/44

TITLE: (K3-9) MULTI-FUNCTION MODULE

SIZE CODE

NUMBER

M7096-0-1

REV. D

85

8

7

6

5

4

3

2

1

TW

8

7

6

5

4

3

2

1

1-8-968241

SC

0

1

JUMPER DESCRIPTIONS (W1-W14, IN ORDER):

W1 IN: CONSOLE TERMINAL ADDRESS DECODE IS ENABLED.
OUT: CONSOLE TERMINAL ADDRESS DECODE IS DISABLED.

W2 IN: LINE CLOCK (LTC) ADDRESS DECODE IS ENABLED.
OUT: LINE CLOCK ADDRESS DECODE IS DISABLED.

W3 IN: TU58 RECEIVER ERROR BITS ARE ENABLED IN THE TU58
RECEIVER BUFFER REGISTER (RBUF), BITS 12-15.

OUT: TU58 RECEIVER ERROR BITS ARE DISABLED. RBUF BITS 12-15
ARE ZERO.

W4 IN: CONSOLE TERMINAL RECEIVER ERROR BITS ARE ENABLED IN THE
CONSOLE TERMINAL RECEIVER BUFFER REGISTER (RBUF), BITS
12-15.

OUT: CONSOLE TERMINAL RECEIVER ERROR BITS ARE DISABLED. RBUF
BITS 12-15 ARE ZERO.

W5 IN: CONSOLE TERMINAL TRANSMITTER STATUS REGISTER (XCSR) BREAK
BIT (BIT 0) IS ENABLED TO BE SET OR CLEARED.

OUT: CONSOLE TERMINAL XCSR BREAK BIT IS DISABLED AND WILL
REMAIN CLEARED.

W6 IN: CONSOLE TERMINAL RECEIVER PARITY DETECTION IS ENABLED, AND
PARITY WILL BE GENERATED. IF W4 IS IN, THE PARITY ERROR BIT
(BIT 12 IN RBUF) WILL BE SET ON A PARITY ERROR.

OUT: CONSOLE TERMINAL RECEIVER PARITY DETECTION AND GENERATION IS
DISABLED. THE PARITY ERROR BIT WILL REMAIN CLEARED.

W7 AND
W8: THESE JUMPERS PROGRAM THE CHARACTER LENGTH FOR THE CONSOLE
TERMINAL UART (E41) AS FOLLOWS:

	5 BITS	6 BITS	7 BITS	8 BITS
W7 IN	IN	IN	OUT	OUT
W8 IN	OUT	IN	IN	OUT

W9 IN: CONSOLE TERMINAL PARITY ODD/EVEN SELECT. IF W6 IS IN,
ODD PARITY WILL BE GENERATED AND CHECKED.

OUT: CONSOLE TERMINAL PARITY ODD/EVEN SELECT. IF W6 IS IN,
EVEN PARITY WILL BE GENERATED AND CHECKED.

W10 IN: TU58 TRANSMITTER STATUS REGISTER (XCSR) BREAK BIT (BIT 0)
IS ENABLED TO BE SET OR CLEARED.

OUT: TU58 XCSR BREAK BIT IS DISABLED AND WILL REMAIN CLEARED.

W11 IN: TU58 RECEIVER PARITY DETECTION IS ENABLED, AND PARITY WILL BE
GENERATED. IF W3 IS IN, THE PARITY ERROR BIT (BIT 12 IN RBUF)
WILL BE SET ON A PARITY ERROR.

OUT: TU58 RECEIVER PARITY DETECTION AND GENERATION IS DISABLED.
THE PARITY ERROR BIT WILL REMAIN CLEARED.

W12 AND
W13: THESE JUMPERS PROGRAM THE CHARACTER LENGTH FOR THE TU58
UART (E11) AS FOLLOWS:

	5 BITS	6 BITS	7 BITS	8 BITS
W12 IN	IN	IN	OUT	OUT
W13 IN	OUT	IN	IN	OUT

W14 IN: TU58 PARITY ODD/EVEN SELECT. IF W11 IS IN, ODD PARITY
WILL BE GENERATED AND CHECKED.

OUT: TU58 PARITY ODD/EVEN SELECT. IF W11 IS IN, EVEN PARITY
WILL BE GENERATED AND CHECKED.

SWITCH DESCRIPTIONS (E6,7, AND 79): CLOSED = ON; OPEN = OFF

E6 (9 SWITCH DIP):

E6-1: STOP BIT SELECT FOR CONSOLE TERMINAL. ON FOR 1 STOP
BIT. OFF FOR 2 STOP BITS (OR 1.5 STOP BITS FOR 5 BIT
CHARACTER LENGTH).

E6-2,3,
4,5: CONSOLE TERMINAL RECEIVER BAUD RATE SELECT (SEE CHART
BELOW). SYSTEM REMOTE MODE: 19.2 K BAUD.

E6-6,7,
8,9: CONSOLE TERMINAL TRANSMITTER BAUD RATE SELECT. (SEE
CHART BELOW). SYSTEM REMOTE MODE: 19.2 K BAUD.

RECEIVER SW.	E6-	2	3	4	5
TRANSMITTER SW.	E6-	6	7	8	9
BAUD RATE:	50	ON	ON	ON	ON
	75	ON	ON	ON	OFF
	110	ON	ON	OFF	ON
	134.5	ON	ON	OFF	OFF
	150	ON	OFF	ON	ON
	200	ON	OFF	ON	OFF
	300	ON	OFF	OFF	ON
	600	ON	OFF	OFF	OFF
	1200	OFF	ON	ON	ON
	1800	OFF	ON	ON	OFF
	2000	OFF	ON	OFF	ON
	2400	OFF	ON	OFF	OFF
	3600	OFF	OFF	ON	ON
	4800	OFF	OFF	ON	OFF
	9600	OFF	OFF	OFF	ON
	19200	OFF	OFF	OFF	OFF

SYSTEM REMOTE MODE 19200 ANY SETTING

E7 (7 SWITCH DIP):

E7-1,2,
3: TU58 TRANSMITTER BAUD RATE SOURCE SELECT. (SEE CHART
BELOW.)

E7-4,5,
6: TU58 RECEIVER BAUD RATE SOURCE SELECT. (SEE CHART BELOW.)

E7-7: STOP BIT SELECT FOR TU58. ON FOR 1 STOP BIT. OFF FOR 2
STOP BITS (OR 1.5 STOP BITS FOR 5 BIT CHARACTER LENGTH).

TRANSMITTER SWITCH	E7- 1	2	3
RECEIVER SWITCH	E7- 4	5	6

BAUD RATE 30,400 ON OFF OFF

BAUD RATE 9,600 OFF ON OFF

CONSOLE TERMINAL
RECEIVER BAUD RATE = OFF OFF ON

NOTE: NO COMBINATION OF SWITCHES E7-1 THROUGH E7-6
SHOULD BE MADE OTHER THAN AS SHOWN IN ABOVE
CHART. THE BAUD RATE SOURCE FOR THE TRANSMITTER
DOES NOT HAVE TO BE THE SAME AS THE BAUD RATE
SOURCE FOR THE RECEIVER.

1: WHEN SYSTEM IS IN REMOTE MODE, THE BAUD RATE
OF THE CONSOLE TERMINAL SLU IS UNCONDITIONALLY
SWITCHED TO 19.2 K BAUD.

E79 (8 SWITCH DIP):

E79-1: WHEN ON, TU58 ADDRESS DECODE IS ENABLED.
WHEN OFF, TU58 ADDRESS DECODE IS DISABLED.

E79-2: WHEN ON, THE REMOTE DIAGNOSIS STATUS BITS ARE ENABLED IN
BITS 3 THROUGH 5 OF THE CONSOLE TERMINAL TRANSMITTER STATUS
REGISTER (XCSR). BIT 3 = "1" (E79-2 IS ON); BIT 4 = "1" WHEN
IN CONSOLE MODE; BIT 5 = "1" WHEN SYSTEM IS IN REMOTE MODE.

WHEN OFF, THE REMOTE DIAGNOSIS STATUS BITS ARE DISABLED,
AND BITS 3 THROUGH 5 OF THE CONSOLE TERMINAL XCSR ARE ZERO.

NOTE: E79-3 THROUGH E79-8 (TU58 VECTOR SELECT) ARE DESCRIBED ON
PAGE K3-8.

E79-1 THROUGH E79-10 (TU58 ADDRESS SELECT) ARE DESCRIBED ON
PAGE K3-5.

D

C

B

A

D

C

B

A

THIS DRAWING AND SPECIFICATIONS
HEREIN ARE THE PROPERTY OF
DIGITAL EQUIPMENT CORPORATION AND
SHALL NOT BE REPRODUCED OR COPIED
OR USED IN WHOLE OR IN PART AS
THE BASIS FOR THE MANUFACTURE OR
SALE OF ITEMS WITHOUT WRITTEN
PERMISSION. COPYRIGHT © 1984
DIGITAL EQUIPMENT CORPORATION

REVISIONS		
CHK	CHANGE NO.	REV

digital
158,252 XPM180, DRU
FIRST USED ON OPTION/MODEL: 11/44

DATE 15-FEB-88
DATE 11-DEC-79 14:25
NEXT HIGHER ASSEMBLY:
B-DD-M7096-0

DATE 11-DEC-79 14:25
SHEET 18 OF 18
TITLE: (K3-10) MULTI-FUNCTION MODULE
SIZE CODE D CS
NUMBER M7096-0-1
REV. D

8

7

6

5

4

3

2

1

86

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1	5013556-00	ETCHED CIRCUIT BOARD	1	
2	2	1001776-00	1 MFD 35V 10% S.TANT	1	C43
3	3	1002433-00	22 MFD 35V 20% S.TANT	1	C41
4	4	1005306-00	6.8MFD 35V 10% S.TANT	6	C1-C6
5	5	1005335-00	39 MFD 20V 10% S.TANT	1	C39
6	6	1011895-00	.15 MFD 35V 10% S.TANT	1	C40
7	7	1012784-00	.047 MFD 50V +80-20% CER	37	C7-C36,C45-C50,C52
8	8	1013466-00	100.0 MFD 50V 5% CER	2	C42,C44
9	9	1013466-11	.22 MFD 50V +80-20% Z5U CER	1	C37
10	10	1109502-01	Z 6214 VZ= 12.0 2% 1W	1	D1
11	11	1110864-00	LED 2MCD@10MA	1	D2
12	12	1210711-02	HANDLE,MODULE,HEX	1	
13	13	1211164-03	SW,DTP 1P 1A 7POS	1	E7
14	14	1211164-04	SW,DTP 1P 1A 8POS	1	E79
15	15	1211164-05	SW,DTP 1P 1A 9POS	1	E6
16	16	1211164-06	SW,DTP 1P 1A 10POS	1	E70
17	17	1215006-03	SOCKET 18PIN IC LOW PROFILE	4	XE134,XE135,XE136,XE137
18	18	1215006-08	SOCKET 40PIN IC LOW PROFILE	3	XE11,XE41,XE139
19	19	1300005-03	R NETWORK 13-10K 5.0% 14PIN	5	E10,E40,E52,E71,E80
20	20	1300210-00	60.0 .25 W 5.0% CC	2	R10,R19
21	21	1300271-00	220.0 .25 W 5.0% CC	2	R8,R18
22	22	1300316-00	470.0 .25 W 5.0% CC	1	R17
23	23	1300365-00	1.0 K .25 W 5.0% CC	5	R2,R12,R13,R14,R16
24	24	1300479-00	10.0 K .25 W 5.0% CC	1	R5
25	25	1301322-00	180.0 .25 W 5.0% CC	1	R7
26	26	1301874-00	5.60 K .25 W 5.0% CC	3	R9,R11,R15
27	27	1302391-00	20.0 K .25 W 5.0% CC	1	R3
28	28	1302394-00	30.0 K .25 W 5.0% CC	2	R1,R6
29	29	1312628-01	R NETWORK 14-176.5 11-375 16PIN	1	E109
30	30	1611243-00	DELAY=25-250NS,10TAPS PCL&L=103	1	E82

REVISION HISTORY		BASIC PART NO: M7096		DRN: K.FRIEDGEN		DATE: 22-MAR-79		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: E.T.GERRY		DATE: 22-MAR-79		TITLE PARTS LIST	
---	INITIAL	A	SECTION VARIATION INDEX	DES.ENG: R.GIST		DATE: 22-MAR-79			
BG	TW001	B	(A) 00	RESP.ENG.: R.GIST		DATE: 22-MAR-79		DOCUMENT NUMBER	
BG	TW003	C	(B)	MFG.ENG.: J.COMELLA		DATE: 10-MAY-79		K PL M7096-0-DBP	
BG	TW004	D	(C)	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	
			(D)	D-UA-M7096-0-0				Z0622D.PLS	
			(E)					REV	
			(F)					D	
			(H)						
			(J)						
			(K)						
			(L)						
			(M)						
			(N)						
"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION"									

TU

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
31	31		1811660-23	OSCILLATOR, XTAL 5.5296 MHZ	1	E141
32	32		1909705-00	DEC 8881 NAND GATE-QUAD 2IN 0	1	E111
33	33		1910532-00	74S00 NAND GATE-QUAD 2IN	2	E85,E88
34	34		1910534-00	74S04 INVERTER GATE-HEX 1I	3	E94,E113,E116
35	35		1910537-00	74S11 AND GATE-TRIPLE 3IMP	1	E74
36	36		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	1	E110
37	37		1910545-00	74S112 FF-JK DUAL,EDGE TRIG	1	E118
38	38		1910549-00	74S158 MUX 1 OF 2 (QUAD)	2	E57,E77
39	39		1910550-00	74S174 FF-D HEX	1	E96
40	40		1910951-00	9602 ONE SHOT-DUAL	3	E8,E35,E37
41	41		1911324-00	7414 INVERTER,HEX 1IN SCH	1	E81
42	42		1911469-00	DEC 8640 RECEIVER,BUS,QUAD,U	3	E107,E120,E140
43	43		1911579-00	8611 TRANSCIEVER,BUS,QUA	1	E99
44	44		1911675-00	74S138 DECODER/DEMUX 3-8 LIN	4	E93,E100,E103,E121
45	45		1911983-00	74S133 NAND GATE-POSITIVE 1	2	E66,E87
46	46		1912096-00	DEC 74S36 XOR GATE,QUAD 2IN	3	E65,E68,E69
47	47		1912389-00	74S08 AND GATE-QUAD 2IN,PO	1	E15
48	48		1912647-00	LS257 MUX 1 OF 2 (QUAD)	2	E4,F19
49	49		1912660-00	74S253 MUX 1 OF 4 (DUAL)	8	E22,E23,E31,E32,E43,E44,E54,E55
50	50		1912697-00	LS174 FF-D HEX W/CLEAR	1	E90
51	51		1912746-00	DEC 74S37 NAND GATE-QUAD 2IN	1	E92
52	52		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	3	E83,E112,E138
53	53		1912803-00	LS04 INVERTER GATE-HEX 1I	1	E26
54	54		1912805-00	LS08 AND GATE-QUAD 2IN,PO	7	E29,E30,E46,E51,E72,E115,E119
55	55		1912809-00	LS11 AND GATE-TRIPLE 3IN	2	E49,E19
56	56		1912810-00	LS20 NAND GATE-DUAL 4IN	1	E28
57	57		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1	E38
58	58		1912816-00	LS32 OR GATE-QUAD 2IN,POS	4	E3,E13,E84,E106
59	59		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	8	E20,E27,E50,E59,E62,E63,E105,
						E114
60	60		1912834-00	LS112 FF-JK DUAL,EDGE TRIG	1	CONT E108
61	61		1912842-00	LS138 DECODER-THREE INPUT,	1	F102
62	62		1912844-00	LS151 MUX 1 OF 8 & DATA	2	E47,E48
63	63		1912845-00	LS153 MUX 1 OF 4 (DUAL)	3	E16,E17,E58
64	64		1912847-00	LS157 MUX 1 OF 2 (QUAD)	1	E14
65	65		1912951-00	LS169 COUNTER,SYNCH. UP/D0	1	E129
66	66		1912953-00	LS175 FF-D QUAD	4	E21,E60,E101,E122
67	67		1912863-00	LS273 FF-D OCTAL W/CLEAR	5	E9,E24,E25,E33,E34
68	68		1912867-00	LS298 MUX 1 OF 4,2IN W/S	2	E39,E61
69	69		1913340-00	74S32 OR GATE-QUAD 2IN	5	E12,E73,E104,E130,E131
70	70		1913493-00	74S241 OCTAL PUFFER,TRI-STA	10	E36,E45,E53,E64,E75,E86,E124,
						CONT E125,E127,E128
71	71		1913670-00	74S373 LATCH 8BIT TRASP TR	1	E123
72	72		1913671-00	74S374 FF-D OCTAL TRISTATE	5	E42,E56,E67,E78,E89
73	73		1914086-00	74S30 NAND GATE-POS 8IN	2	E76,E117
74	74		1914438-00	DC 013 UNIBUS INTERRUPT-MIP	2	E97,E98
75	75		1915697-00	RAM 256X4 TRI-STATE	2	E132,E133
76	76		2112623-02	DUAL BAUD RATE GEN/PROG DIVIDER	1	E5

I	D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
I								KD11-Z MULTI-FUNCTION		I	K	PL M7096-0-DBP	D
I										I			
I										I			

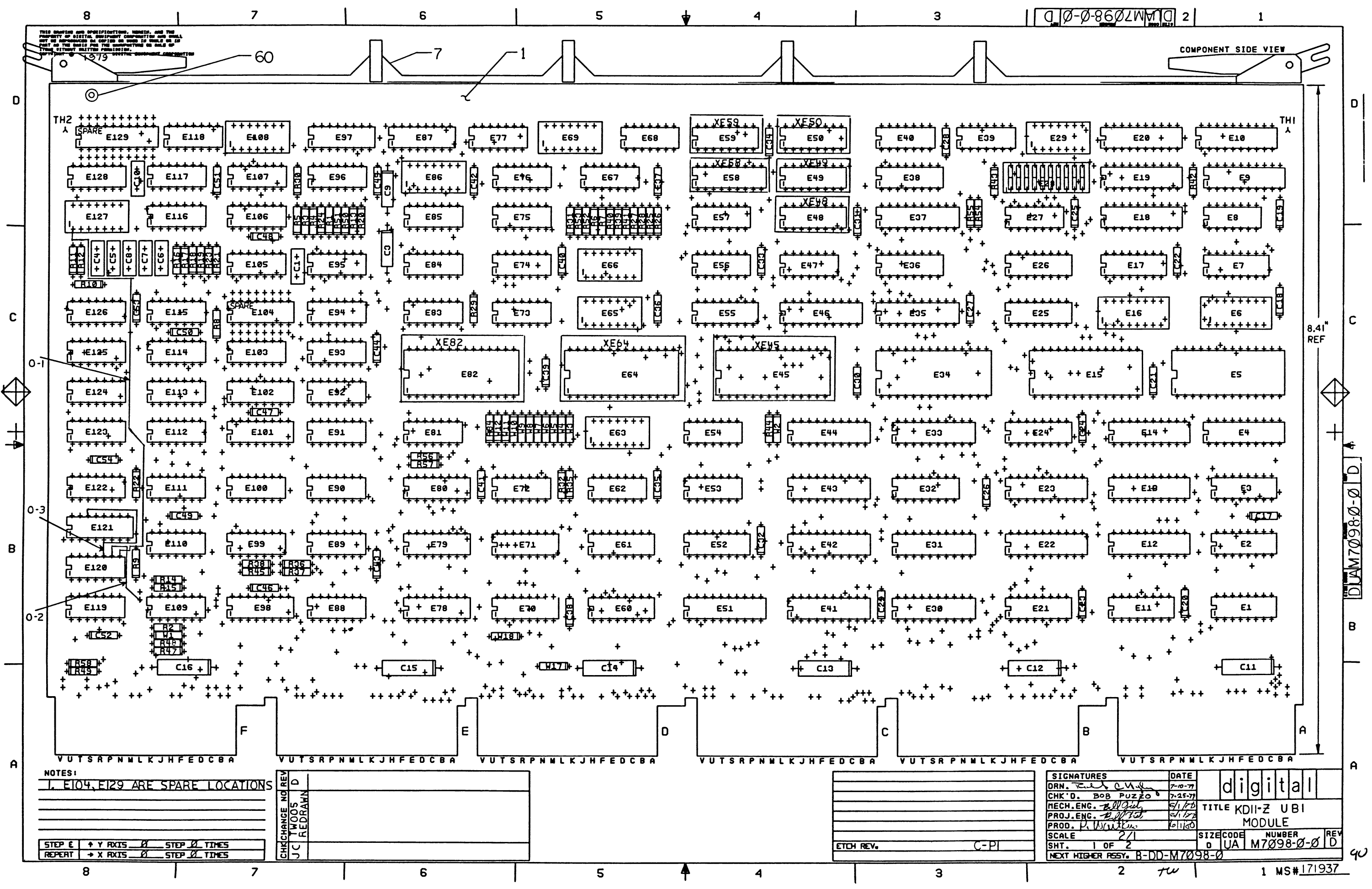
TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
77	77		2113937-00	HART 125K BUAD	2	E11,E41
78	78		2114963-00	UP,8-BIT NMOS	1	E139
79	79		23017F2-00	F2-01	1	E134
80	80		23018F2-00	F2-01	1	E135
81	81		23019F2-00	F2-01	1	E136
82	82		23261A1-00	A1-07	1	E95
83	83		23847A9-00	A9-01	1	E126
84	84		23848A9-00	A9-01	1	E91
85	85		9000024-01	FIFLET, ROLLED FLANGE, .121 OD X	12	
86	86		9009157-00	ADH,LIO,RM,TFMP CURING COLORLESS	A/R	
87	87		9009185-00	JUMPER, WIPE, INSULATED, BLACK B	5	W1-W3,W9,W10
88	88		9105740-55	WIRE(WRAP)30AWG UL1423	1	
89	89		1914451-00	74LS393 COUNTER,BINARY,4BIT	1	E2
90	90		23020F2-00	F2-01	1	E137
91	91		1004813-00	10 MFD 20V 10% S.TANT	1	C51
92	92		1105275-00	D 672 TR= 15NS PIV= 60V SI	1	D3
93	93		1302466-00	100.0 K .25 W 5.0 % CC	1	R4

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							KD11-Z MULTI-FUNCTION		K	PL	M7096-0-DBP	D

89

TW



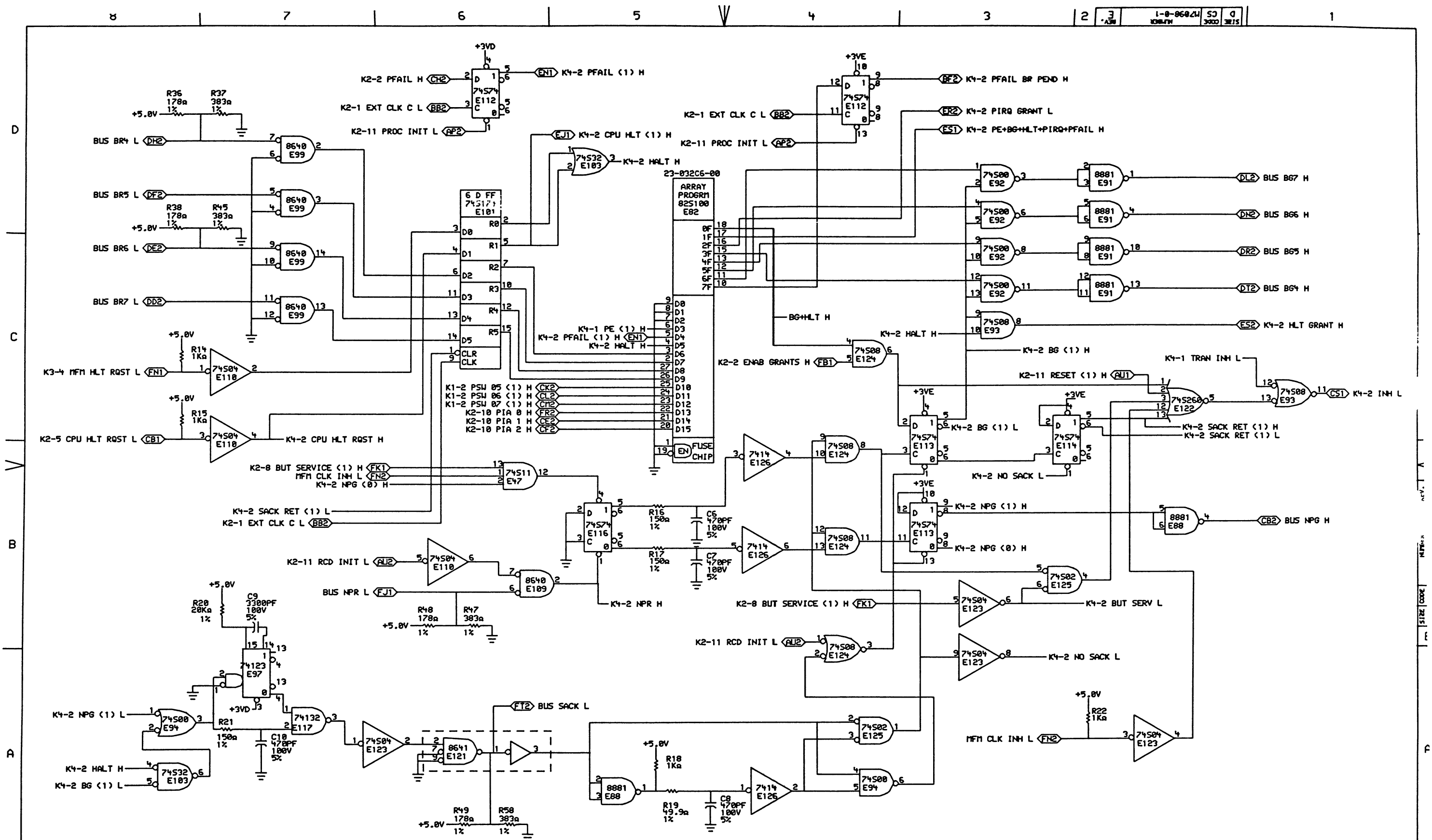
NOTES:
1. E104, E129 ARE SPARE LOCATIONS

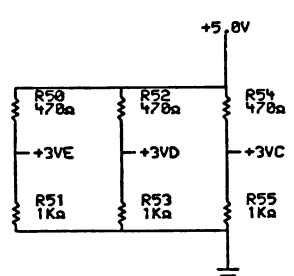
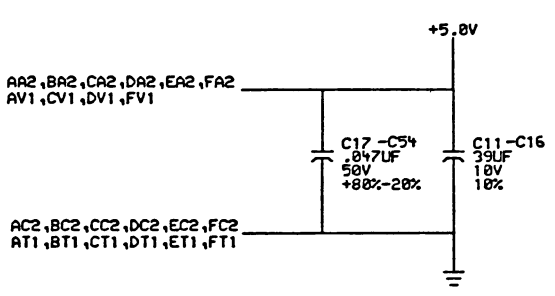
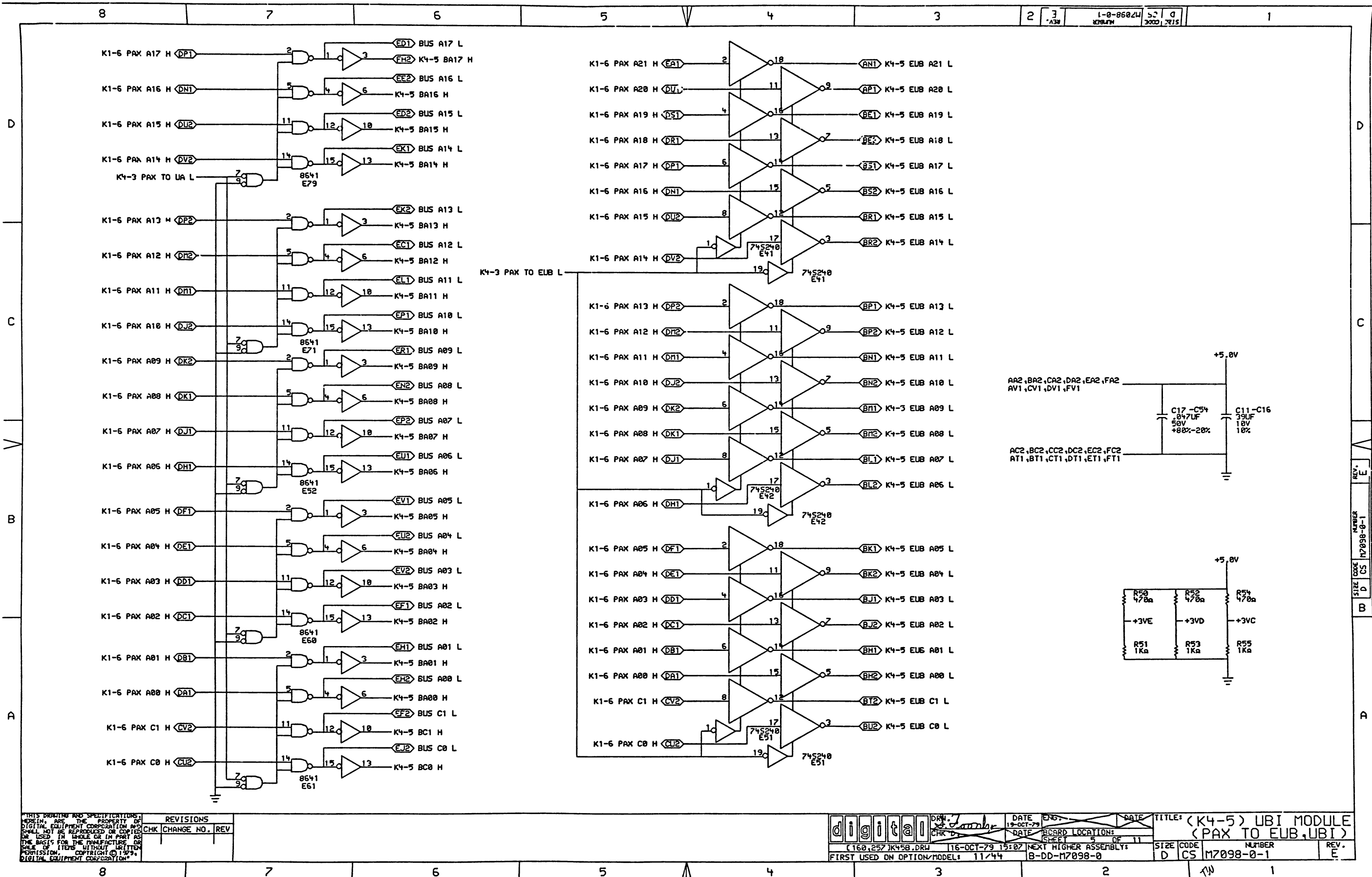
STEP	E	Y AXIS	0	STEP	0	TIMES
REPEAT		X AXIS	0	STEP	0	TIMES

CHK	CHANGE	NO	REV	
J	C	TWOOS	D	
J	C	REDRAWN		

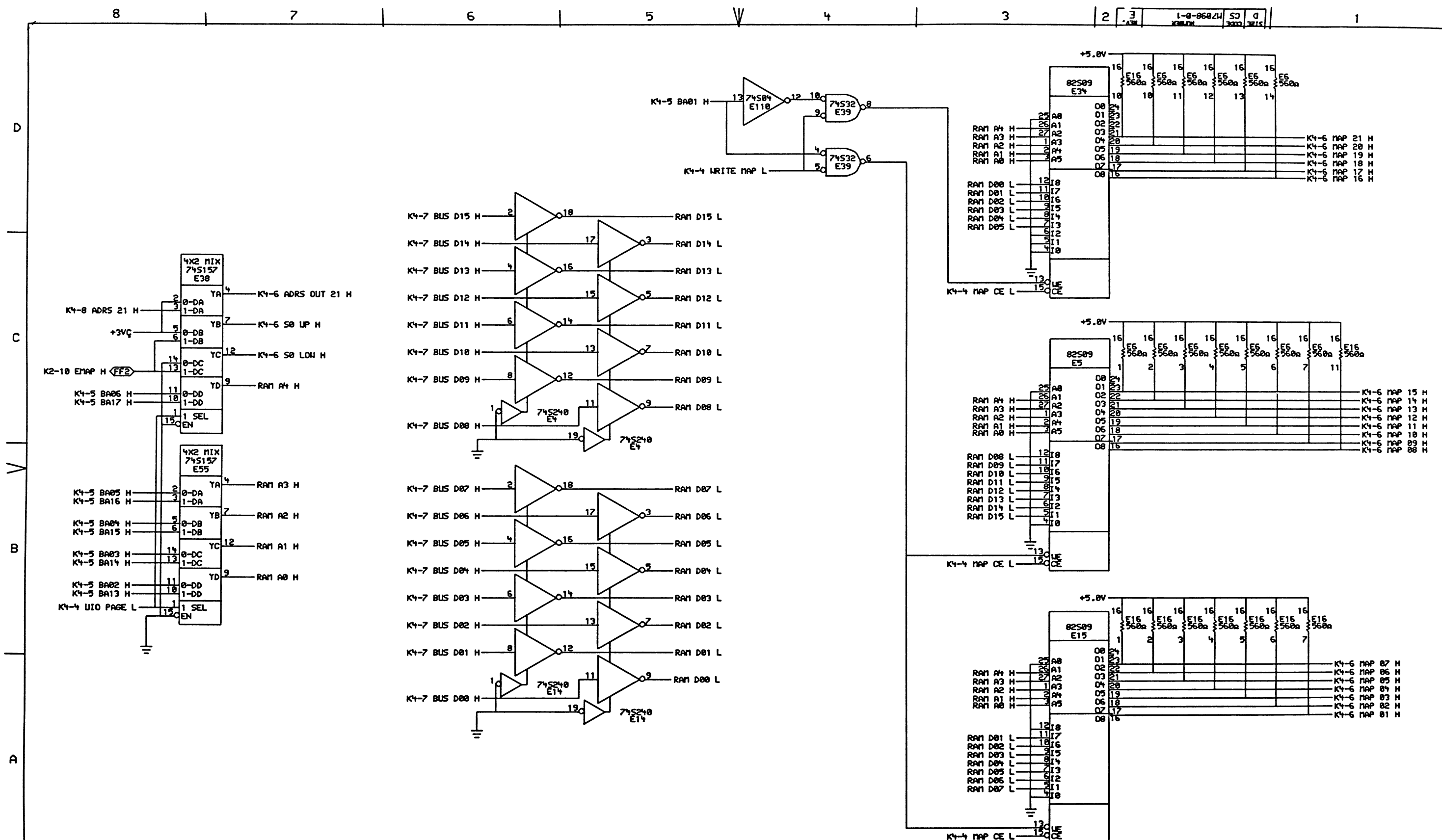
ETCH	REV.	C-PI
------	------	------

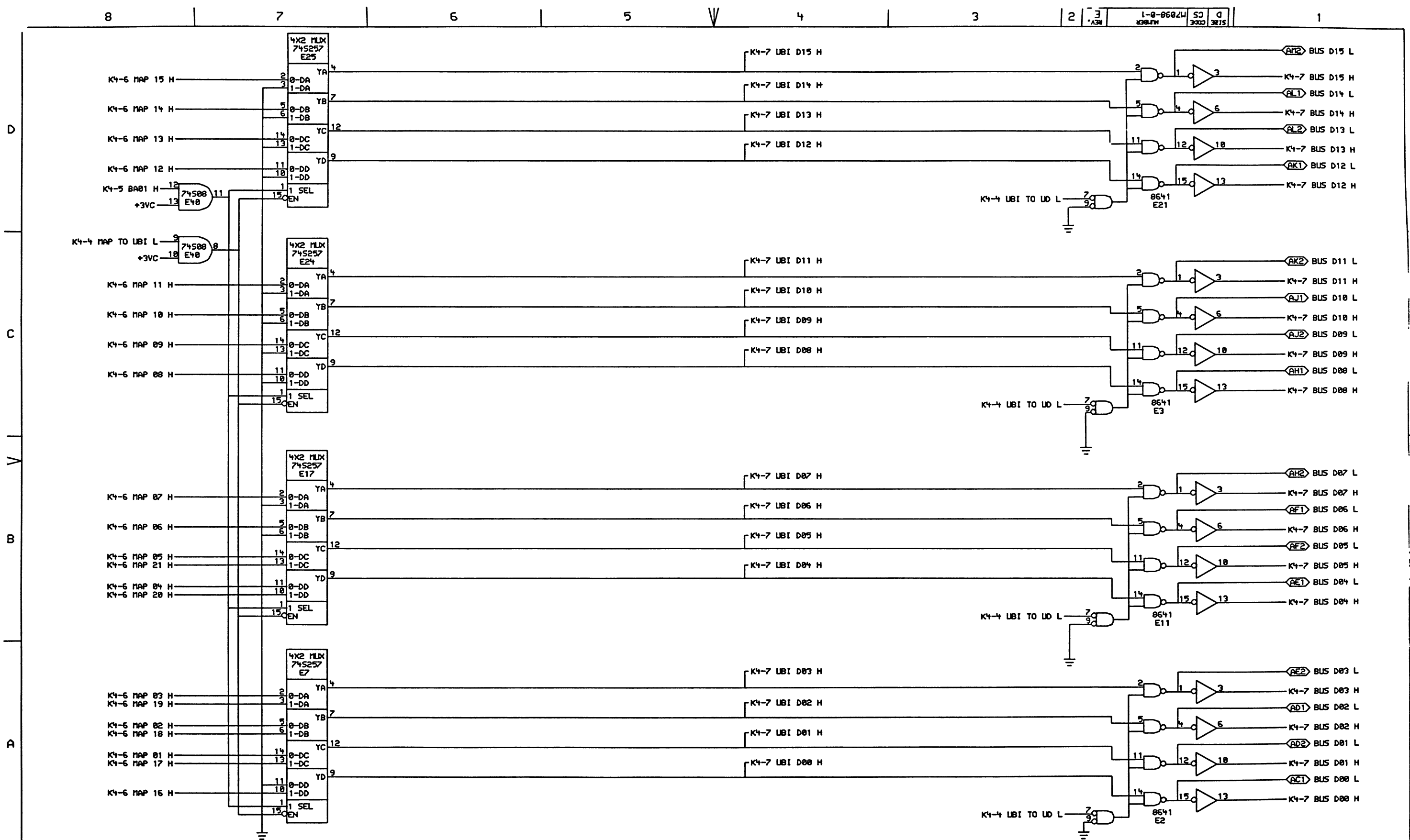
SIGNATURES		DATE	digital			
DRN. <i>[Signature]</i>		7-10-77				
CHK'D. BOB PUZZO		7-25-77				
MECH. ENG. <i>[Signature]</i>		8/1/78	TITLE KDII-Z UBI MODULE			
PROJ. ENG. <i>[Signature]</i>		8/1/78				
PROD. <i>[Signature]</i>		10/1/80				
SCALE		2/1	SIZE	CODE	NUMBER	REV
SHT. 1 OF 2			0	UA	M7098-0-0	D
NEXT HIGHER RESY. B-DD-M7098-0						





THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION.		REVISIONS CHK CHANGE NO. REV		digital		DATE 19-OCT-79	ENG. J. J. J.	DATE 19-OCT-79	BOARD LOCATION: SHEET 5 OF 11	TITLE: (K4-5) UBI MODULE (PAX TO EUB, UBI)	
FIRST USED ON OPTION/MODEL: 11/44		NEXT HIGHER ASSEMBLY: B-DD-M7098-0		SIZE CODE D CS		NUMBER M7098-0-1		REV. E			

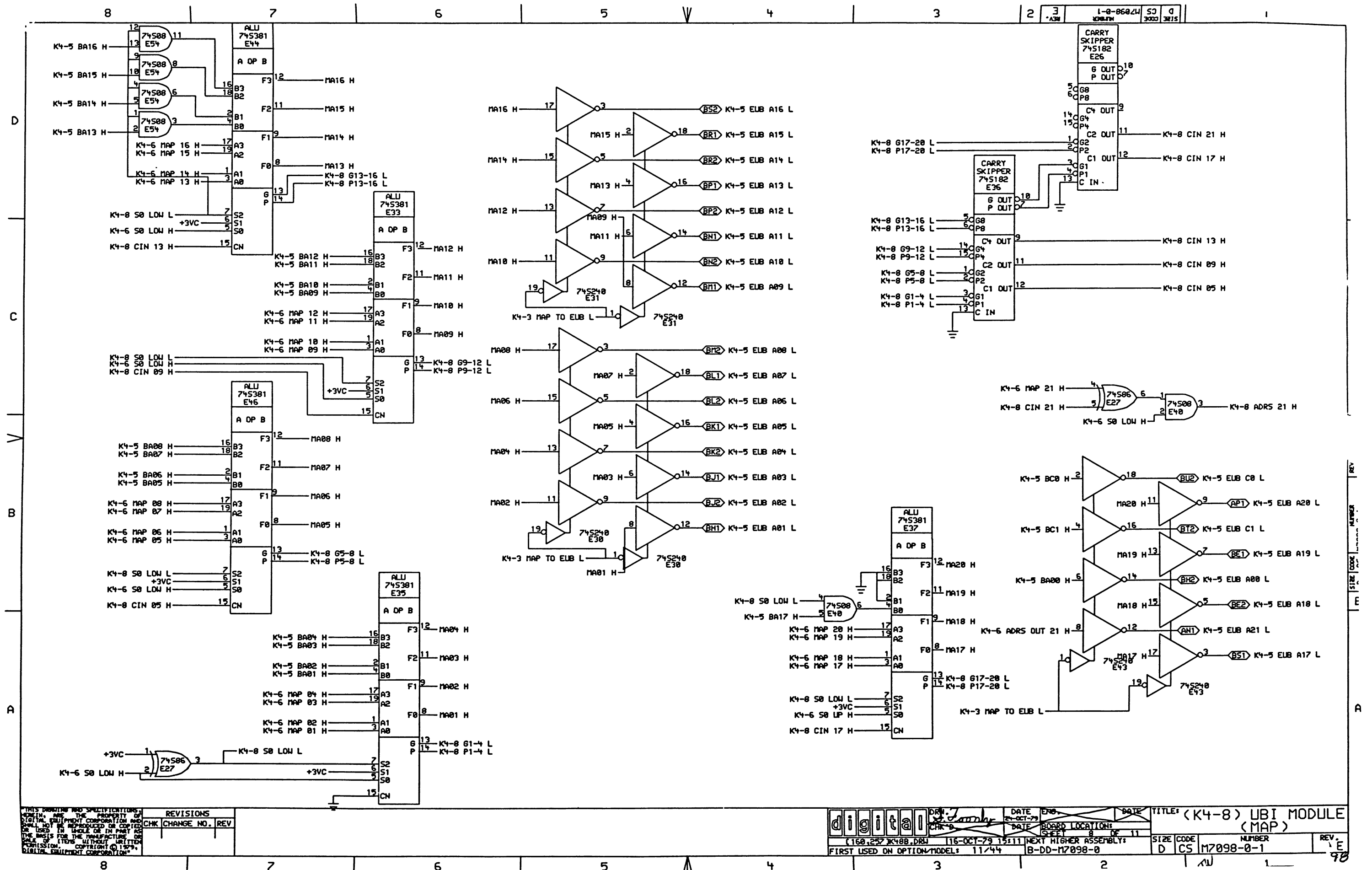




THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG.	DATE	TITLE: (K4-7) UBI MODULE (ADRS INTRF)
	116-OCT-79	15:10	11	
FIRST USED ON OPTION/MODEL: 11/44		NEXT HIGHER ASSEMBLY: B-DD-M7098-0		REV. E



8

7

6

5

4

3

2

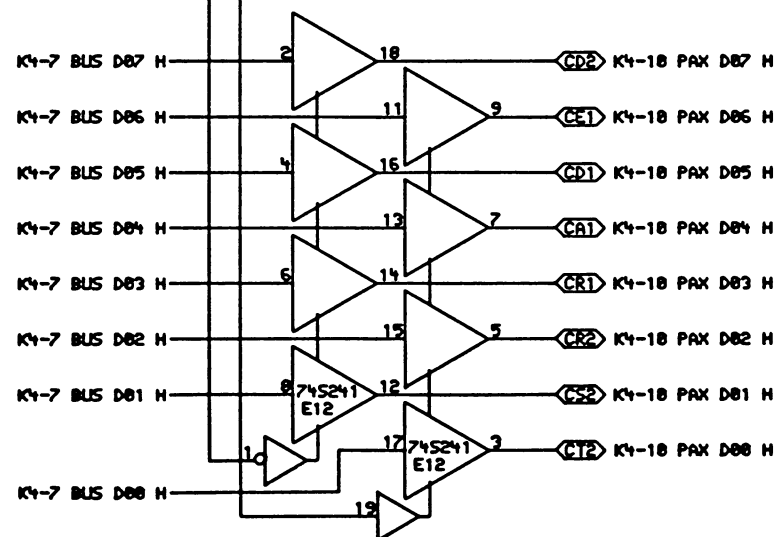
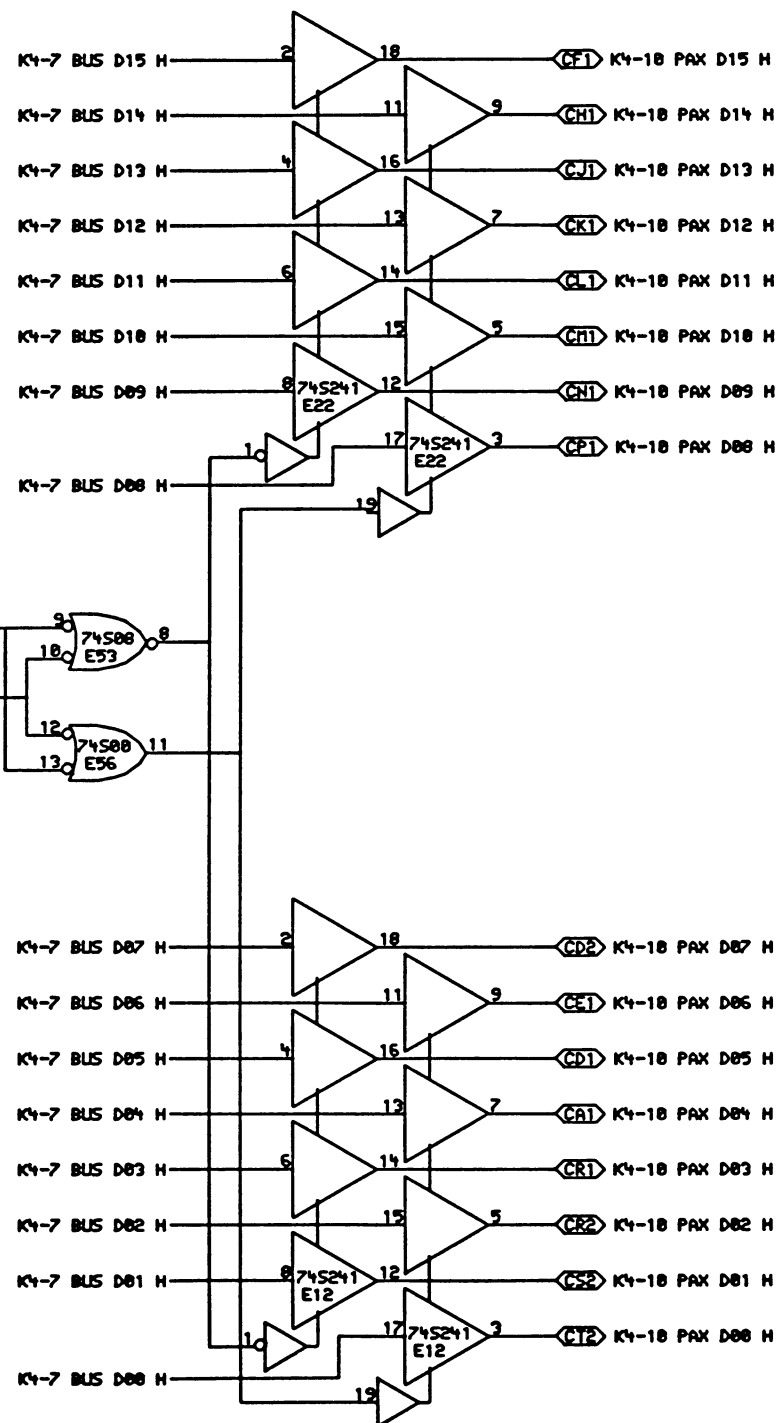
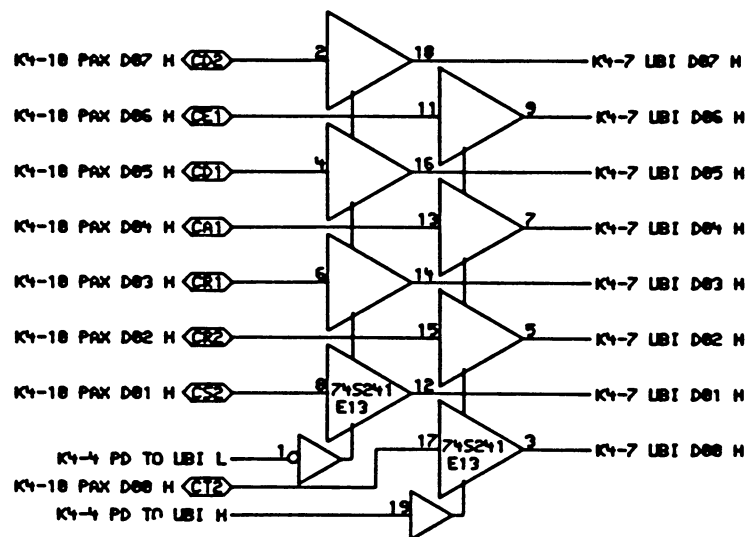
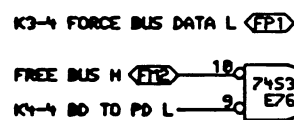
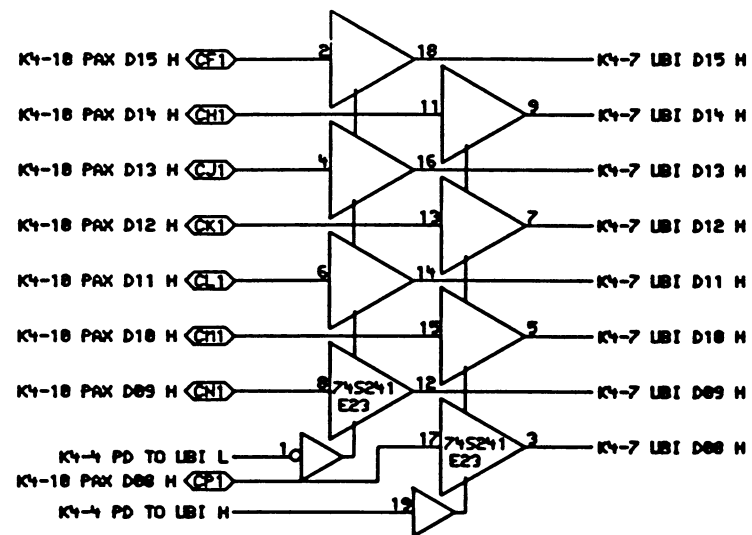
3

1-8-86024

53

0

1



THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.

REVISIONS
CHK CHANGE NO. REV

digital

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

DATE 11-11-79
BY 11/11/79

FIRST USED ON OPTION/MODEL: 11/44

11-11-79

11-11-79

11-11-79

11-11-79

11-11-79

11-11-79

11-11-79

11-11-79

11-11-79

11-11-79

11-11-79

11-11-79

11-11-79

TITLE: (K4-10) LBI MODULE
(PAX DATA)

SIZE CODE

D CS

NUMBER

M7098-0-1

REV.

E

100

M7098 JUMPER AND SWITCH SETTINGS

UNIBUS MAP ADDRESS LIMIT JUMPER TABLES

JUMPERS W12-W8 AND W7-W3 SPECIFY THE LOWER AND UPPER LIMIT, RESPECTIVELY, OF A SET OF UNIBUS ADDRESSES NOT MAPPED TO MAIN MEMORY (ASSERTED ON THE UNIBUS ONLY). EXCEPT FOR THE I/O PAGE, EVERY UNIBUS ADDRESS NOT IN THIS SET IS MAPPED TO MAIN MEMORY (ASSERTED ON THE MEMORY BUS) BY THE UNIBUS MAP. DEVICES ON THE UNIBUS SHOULD BE ADDRESSED ONLY IN UNMAPPED OR I/O PAGE ADDRESS SPACE.

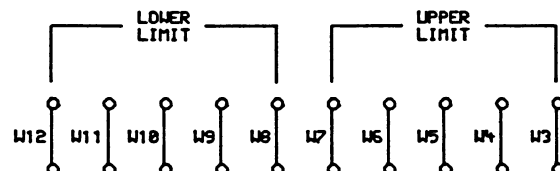
WHEN THE UPPER AND LOWER LIMITS ARE SET TO THE SAME OCTAL BANK (PAGE) NUMBER, EVERY NON- I/O PAGE ADDRESS IS MAPPED TO MAIN MEMORY (ASSERTED ON THE MEMORY BUS).

LOWER LIMIT OF UNMAPPED SET:

THIS TABLE LISTS JUMPER SETTINGS FOR THE LOWER LIMIT OF THE SET OF UNMAPPED ADDRESSES. UNIBUS ADDRESSES (IF ANY) FROM ZERO TO JUST BELOW THIS LIMIT ARE MAPPED TO MAIN MEMORY (ASSERTED ON THE MEMORY BUS). THE OCTAL BANK NUMBER IN THIS TABLE IS THE FIRST BANK OF THE UNMAPPED SET EXCEPT WHEN THE LOWER AND UPPER LIMITS ARE SET TO THE SAME BANK NUMBER, IN WHICH CASE ONLY THE I/O PAGE IS UNMAPPED.

LOWEST ADDRESS IN UNMAPPED SET	DECIMAL KW	OCTAL BANK	JUMPER				
			W12	W11	W10	W9	W8
NONE	124	37	OUT	OUT	OUT	OUT	OUT
740 000	120	36	IN	OUT	OUT	OUT	OUT
720 000	116	35	OUT	IN	OUT	OUT	OUT
700 000	112	34	IN	IN	OUT	OUT	OUT
680 000	108	33	OUT	OUT	IN	OUT	OUT
640 000	104	32	IN	OUT	IN	OUT	OUT
620 000	100	31	OUT	IN	IN	OUT	OUT
600 000	96	30	IN	IN	IN	OUT	OUT
560 000	92	27	OUT	OUT	OUT	IN	OUT
540 000	88	26	IN	OUT	OUT	IN	OUT
520 000	84	25	OUT	IN	OUT	IN	OUT
500 000	80	24	IN	IN	OUT	IN	OUT
460 000	76	23	OUT	OUT	IN	IN	OUT
440 000	72	22	IN	OUT	IN	IN	OUT
420 000	68	21	OUT	IN	IN	IN	OUT
400 000	64	20	IN	IN	IN	IN	OUT
360 000	60	17	OUT	OUT	OUT	OUT	IN
340 000	56	16	IN	OUT	OUT	OUT	IN
320 000	52	15	OUT	IN	OUT	OUT	IN
300 000	48	14	IN	IN	OUT	OUT	IN
260 000	44	13	OUT	OUT	IN	OUT	IN
240 000	40	12	IN	OUT	IN	OUT	IN
220 000	36	11	OUT	IN	IN	OUT	IN
200 000	32	10	IN	IN	IN	OUT	IN
160 000	28	7	OUT	OUT	OUT	IN	IN
140 000	24	6	IN	OUT	OUT	IN	IN
120 000	20	5	OUT	IN	OUT	IN	IN
100 000	16	4	IN	IN	OUT	IN	IN
60 000	12	3	OUT	OUT	IN	IN	IN
40 000	8	2	IN	OUT	IN	IN	IN
20 000	4	1	OUT	IN	IN	IN	IN
0	0	0	IN	IN	IN	IN	IN

POSITION OF JUMPERS ON M7098:



UPPER LIMIT OF UNMAPPED SET:

THIS TABLE LISTS JUMPER SETTINGS FOR THE UPPER LIMIT OF THE SET OF UNMAPPED ADDRESSES. UNIBUS ADDRESSES (IF ANY) ABOVE THIS LIMIT AND BELOW 760 000 ARE MAPPED TO MAIN MEMORY. THE OCTAL BANK NUMBER IN THIS TABLE IS THE FIRST MAPPED BANK AFTER THE UNMAPPED SET EXCEPT WHEN IT IS BANK 37, THE I/O PAGE (ALWAYS UNMAPPED).

HIGHEST ADDRESS IN UNMAPPED SET	DECIMAL KW	OCTAL BANK	JUMPER				
			W7	W6	W5	W4	W3
757 777	124	37	OUT	OUT	OUT	OUT	OUT
737 777	120	36	IN	OUT	OUT	OUT	OUT
717 777	116	35	OUT	IN	OUT	OUT	OUT
677 777	112	34	IN	IN	OUT	OUT	OUT
657 777	108	33	OUT	OUT	IN	OUT	OUT
637 777	104	32	IN	OUT	IN	OUT	OUT
617 777	100	31	OUT	IN	IN	OUT	OUT
577 777	96	30	IN	IN	IN	OUT	OUT
557 777	92	27	OUT	OUT	OUT	IN	OUT
537 777	88	26	IN	OUT	OUT	IN	OUT
517 777	84	25	OUT	IN	OUT	IN	OUT
477 777	80	24	IN	IN	OUT	IN	OUT
457 777	76	23	OUT	OUT	IN	IN	OUT
437 777	72	22	IN	OUT	IN	IN	OUT
417 777	68	21	OUT	IN	IN	IN	OUT
377 777	64	20	IN	IN	IN	IN	OUT
357 777	60	17	OUT	OUT	OUT	OUT	IN
337 777	56	16	IN	OUT	OUT	OUT	IN
317 777	52	15	OUT	IN	OUT	OUT	IN
277 777	48	14	IN	IN	OUT	OUT	IN
257 777	44	13	OUT	OUT	IN	OUT	IN
237 777	40	12	IN	OUT	IN	OUT	IN
217 777	36	11	OUT	IN	IN	OUT	IN
177 777	32	10	IN	IN	IN	OUT	IN
157 777	28	7	OUT	OUT	OUT	IN	IN
137 777	24	6	IN	OUT	OUT	IN	IN
117 777	20	5	OUT	IN	OUT	IN	IN
77 777	16	4	IN	IN	OUT	IN	IN
57 777	12	3	OUT	OUT	IN	IN	IN
37 777	8	2	IN	OUT	IN	IN	IN
17 777	4	1	OUT	IN	IN	IN	IN
NONE	0	0	IN	IN	IN	IN	IN

EXAMPLE OF LIMIT SETTING:

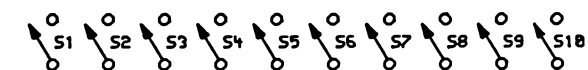
SET UP FOR 12 (DECIMAL) KW (3 PAGES) OF UNIBUS DEVICE ADDRESSES JUST BELOW THE I/O PAGE:

- PAGE (BANK) 37 IS THE I/O PAGE. THEREFORE THE THREE PAGES TO BE UNMAPPED ARE 34, 35, AND 36.
- READ JUMPER SETTINGS FOR W12 THROUGH W8 FROM THE LOWER LIMIT TABLE AT BANK 34, THE FIRST UNMAPPED BANK: W12=IN, W11=IN, W10=OUT, W9=OUT, & W8=OUT.
- READ JUMPER SETTINGS FOR W7 THROUGH W3 FROM THE UPPER LIMIT TABLE AT BANK 37, THE NEXT BANK AFTER THE UNMAPPED SET DESIRED (34, 35, AND 36): W7=OUT, W6=OUT, W5=OUT, W4=OUT, & W3=OUT.

NOTICE THAT THE UPPER LIMIT TABLE "DECIMAL KW" AMOUNT MINUS THE LOWER LIMIT TABLE "DECIMAL KW" AMOUNT EQUALS 12KW, THE SIZE AREA DESIRED.

BOOT SWITCHES-E28, K4-9:

FOR ALL SWITCHES ON = CLOSED = LOGIC "1"



S1 DETERMINES START ADDRESS (UPPER 3 DIGITS): WHEN OPEN, 773XXX; WHEN CLOSED, 765XXX.

S2, WHEN ON, ENABLES INTERNAL BOOT.

S3-S10 ARE BITS 0-1 OF THE STARTING ADDRESS.

A CLOSED SWITCH EQUALS A "1" IN THE ADDRESS.

THE SWITCHES ARE VIEWED WITH THE BOARD COMPONENT SIDE UP, GOLD FINGERS AT THE BOTTOM.

BOOT ROMS

THE CPU SPECIFIC DIAGNOSTIC ROM GOES INTO SOCKET E58. ROMS FOR OTHER BOOTABLE DEVICES GO INTO THE FOLLOWING SOCKETS IN ORDER:

- BT1 E48
- BT2 E49
- BT3 E50
- BT4 E59

THE M7098 HAS ETCH MARKINGS FOR EACH ROM BT1-BT4.

JUMPER W2 ENABLES THE DIAGNOSTICS ROM WHEN IN (STANDARD CONFIGURATION IS IN).

JUMPER W1 ENABLES PARITY ERROR ABORT WHEN IN (STANDARD CONFIGURATION IS IN).

JUMPERS W17 & W18 ARE ALWAYS INSTALLED.

THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION.

REVISIONS
CHK CHANGE NO. REV

digital

DATE: 11-11-80
CHK'D: Bill Galt

DATE: 11-11-80
ENG: B. Galt

DATE: 11-11-80
BOARD LOCATION: 11 DE 11

TITLE: (K4-11) UBI MODULE
(SW SETTINGS)

SIZE: D CODE: CS

NUMBER: M7098-0-1

REV: E

FIRST USED ON OPTION MODEL: 11/44

DATE: 11-11-80

DATE: 11-11-80

DATE: 11-11-80

DATE: 11-11-80

DATE: 11-11-80

DATE: 11-11-80

DATE: 11-11-80

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	00	REFERENCE DESIGNATOR
1	1		5013828-00	UNITBUS CONTROL	1		
2	2		1000016-00	100.0 MMF 100V 5%200PPM DM15S	1		C5
3	3		1000024-00	470.0 MMF 100V 5%200PPM DM15S	5		C4,C6-C8,C10
4	4		1000076-00	39 MFD 10V 10% 150D S.TA	6		C11-C16
5	5		1013466-10	3300.0 MMF 50V 5% CER	2		C3,C9
6	6		1012794-00	.047 MFD 50V +80-20% CER	38		C17-C54
7	7		1210711-02	HANDLE,MODULE,HEX	1		
8	8		1211164-00	SW,DTP 1P 1A 10POS	1		E28
9	9		1215006-02	SOCKET 16PIN IC LOW PROFILE	4		XE48-XE50,XE39
10	10		1215006-03	SOCKET 18PIN IC LOW PROFILE	1		XF58
11	11		1215006-07	SOCKET 28PIN IC LOW PROFILE	3		XE45,XE64,XE82
12	12		1300005-01	R NETWORK 13-1K 5.0 % 14PIN	2		E29,E63
13	13		1300005-10	R NETWORK 15-560 5.0 % 16PIN	2		E6,E16
14	14		1300316-00	470.0 .25 W 5.0 % CC	11		R10,R50,R52,R54,R30-R32,R34,R35,
						CONT	R41,R42
15	15		1300365-00	1.0 K .25 W 5.0 % CC	14		R29,R44,R51,R53,R55,R8,R43,R1,
						CONT	R2,R9,R14,R15,R18,R22
16	16		1313596-00	20.0 K .25 W 1.0 % RN55D-F10	2		R13,R20
17	17		1302411-00	510.0 .25 W 1.0 % RN55D-F10	6		R4,R7,R24,R26,R28,R40
18	18		1302931-00	40.0W .25 W 1.0 % RN55D-F10	2		R12,R19
19	19		1304863-00	310.0 .25 W 1.0 % RN55D-F10	6		R3,R6,R23,R25,R27,R39
20	20		1312628-00	R NETWORK 14-176.5 14-375 16PIN	2		E1,E78
21	21		1312628-01	R NETWORK 14-176.5 11-375 16PIN	2		E32,E70
22	22		1313583-00	150.0 .25 W 1.0 % RN55D-F10	5		R5,R11,R16,R17,R21
23	23		1612463-00	DELAY= 150NS,10TAPS	6		E65,E66,E69,E86,E108,E127
24	24		1909705-00	DEC 9881 NAND GATE-QUAD 2IN 0	2		E88,E91
25	25		1910436-00	DEC 74123 ONE SHOT-DUAL,PETRIG	1		E97
26	26		1910532-00	74S00 NAND GATE-QUAD 2IN	7		E56,E73,E74,E90,E92,E94,E111
27	27		1910533-00	74S03 NAND GATE-QUAD 2IN,0	1		E128
28	28		1910534-00	74S04 INVERTER GATE-HEX 11	3		E105,E110,E123

REVISION HISTORY			BASIC PART NO: M7098		DPR: M.FUARO		DATE: 22-JAN-79		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A									
INITIAL			SECTION VARIATION INDEX		CHK'D: E.T.GERRY		DATE: 22-JAN-79		TITLE PARTS LIST			
RG	M7098-TW003	IC	[A] 00						KD11-Z UBI MODULE			
RG	M7098-TW004	ID	[B]									
RG	TW005	E	[C]		DFS.ENG: R. DAY		DATE: 27-JUN-79					
			[D]									
			[E]						DOCUMENT NUMBER			
			[F]		RESP.ENG.: J.MITCHELL		DATE: 22-JAN-79					
			[H]						SIZE CODE NUMBER REV			
			[J]									
			[K]		MFG.ENG.: J. COMELLA		DATE: 27-JUN-79		K PL M7098-0-DBP E			
			[L]									
			[M]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #			
			[N]		ID-UA-M7098-0-0				Z0621E.PLS 18			

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1980, DIGITAL EQUIPMENT CORPORATION "

TW

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
29	29	1910535-00	74S05 INVERTER GATE-HEX 1	2	E68,E72
30	30	1910536-00	74S10 NAND GATE-TRIPLE 3IN	2	E83,E96
31	31	1910537-00	74S11 AND GATE-TRIPLE 3INP	2	E47,E75
32	32	1910544-00	74S74 FF-D DUAL,EDGE TRIGG	8	E81,E95,E112-E116,E119
33	33	1910548-00	74S157 MUX 1 OF 2 (QUAD)	3	E38,E55,E102
34	34	1910550-00	74S174 FF-D HEX	1	E101
35	35	1910870-00	7427 NOR GATE-TRIPLE 3IN	1	E100
36	36	1910957-00	74S175 FF-D QUAD COMMON CLO	2	E87,E98
37	37	1911324-00	7414 INVERTER,HEX 1IN SCH	1	E126
38	38	1911469-00	DEC 9640 RECEIVER,BUS,QUAD,U	2	E99,E109
39	39	1911579-00	8641 TRANSCEIVER,BUS,QUA	11	E2,F3,E11,E21,E52,E60,E61,E71, E79,E80,E121
40	40	1911641-00	SN 74S257 MUX,QUAD 2 TO 1	4	E7,E17,E24,E25
41	41	1911712-00	74S51 AND-OR GATE-INVERT D	1	E106
42	42	1912096-00	DEC 74S86 XOR GATE,QUAD 2IN	1	E27
43	43	1912297-00	SN 74S182 LOOK AND CARRY GEN	2	E26,E36
44	44	1912388-00	74S02 NOR GATE-QUAD 2IN,PO	5	E67,E89,E107,E118,E125
45	45	1912389-00	74S08 AND GATE-QUAD 2IN,PO	8	E40,E53,E54,E57,E85,E93,E120, E124
46	46	1912746-00	DEC 74S37 NAND GATE-QUAD 2IN	2	E77,E84
47	47	1912829-00	LS86 X-OR GATE-QUAD 2IN	1	E8
48	48	1913340-00	74S32 OR GATE-QUAD 2IN	3	E39,E76,E103
49	49	1913462-00	74S240 OCTAL BUFFER,INVERTI	9	E4,F14,E20,E30,E31,E41-F43,F51
50	50	1913493-00	74S241 OCTAL BUFFER,TRI-STA	6	E9,E12,E13,E18,E22,E23
51	51	1913663-00	93419DC RAM 64X9 28PIN TT	3	E5,E15,E34
52	52	1913671-00	74S374 FF-D OCTAL TRISTATE	2	E10,E19
53	53	1913700-00	74S381 ALU-4BIT	5	E33,E35,E37,E44,E46
54	54	1914085-00	74S260 NOR GATE-DUAL,POS	1	E122
55	55	1914086-00	74S30 NAND GATE-POS 8IN	1	E62
56	56	1911637-00	74132 NAND GATE-QUAD 2 IN	1	E117
57	57	23000A9-01	*** THIS ITEM IS NOT USED ***	-	
58	58	23432C6-00	C6-01	1	E82
59	59	23000F1-01	*** THIS ITEM IS NOT USED ***	-	
60	60	9000024-01	EYELET, ROLLED FLANGE, .121 OD X	12	
61	61	9009185-00	JUMPER, WIRE, INSULATED, BLACK H	14	W1-W12,W17,W18
62	62	1311422-00	178.0 .25 W 1.0 % RN55D-F10	5	R36,R38,R48,R49,R56
63	63	1305125-00	383.0 .25 W 1.0 % RN55D-F10	5	R37,R45,R47,R57,R58
64	64	23054C6-00	C6-01	1	E64
65	65	23052C6-00	C6-01	1	E45
66	66	23446F1-00	F1-02	1	E58
67	67	1012121-00	220.0 MMF 100V 1%20PPM DM15S	1	C1
68	68	9009157-00	ADP,LIQ.RM.TEMP CUPING COLORLESS	A/R	
69	69	9105740-55	WIRE(WRAP)30AWG UL1423	1	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MD11-Z USB MODULE					
									K	PL	M7098-0-DBP	E

TW

FIELD MAINTENANCE PRINT SET

1979

TABLE OF CONTENTS

UNIT VARIATIONS COVERED BY THIS PRINT SET

KK11-B

KKI1-B

MP00811

REVISIONS		REV.											USED ON OPTION/MODEL		DRN. E.H.	DATE 6/1/79	TITLE: CACHE MEMORY OPTION digital										
CHG. NO.	DATE														CHK'D J. SULLIVAN	DATE 6/21/79											
															PROJ. ENG. <i>M Sullivan</i>	DATE 6-29-79											
															FIELD SERV. <i>K...</i>	DATE ...											
		2-81	TW001											SHEET 1 OF 1				SIZE B	CODE TC	NUMBER KK11-B-3				REV. A			
																		DIST.									

"THE MATERIAL HEREIN IS FOR INFORMATION PURPOSES ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE. DIGITAL EQUIPMENT CORPORATION ASSUMES NO RESPONSIBILITY FOR ANY ERRORS WHICH MAY APPEAR HEREIN."

DRAWING DIRECTORY

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION

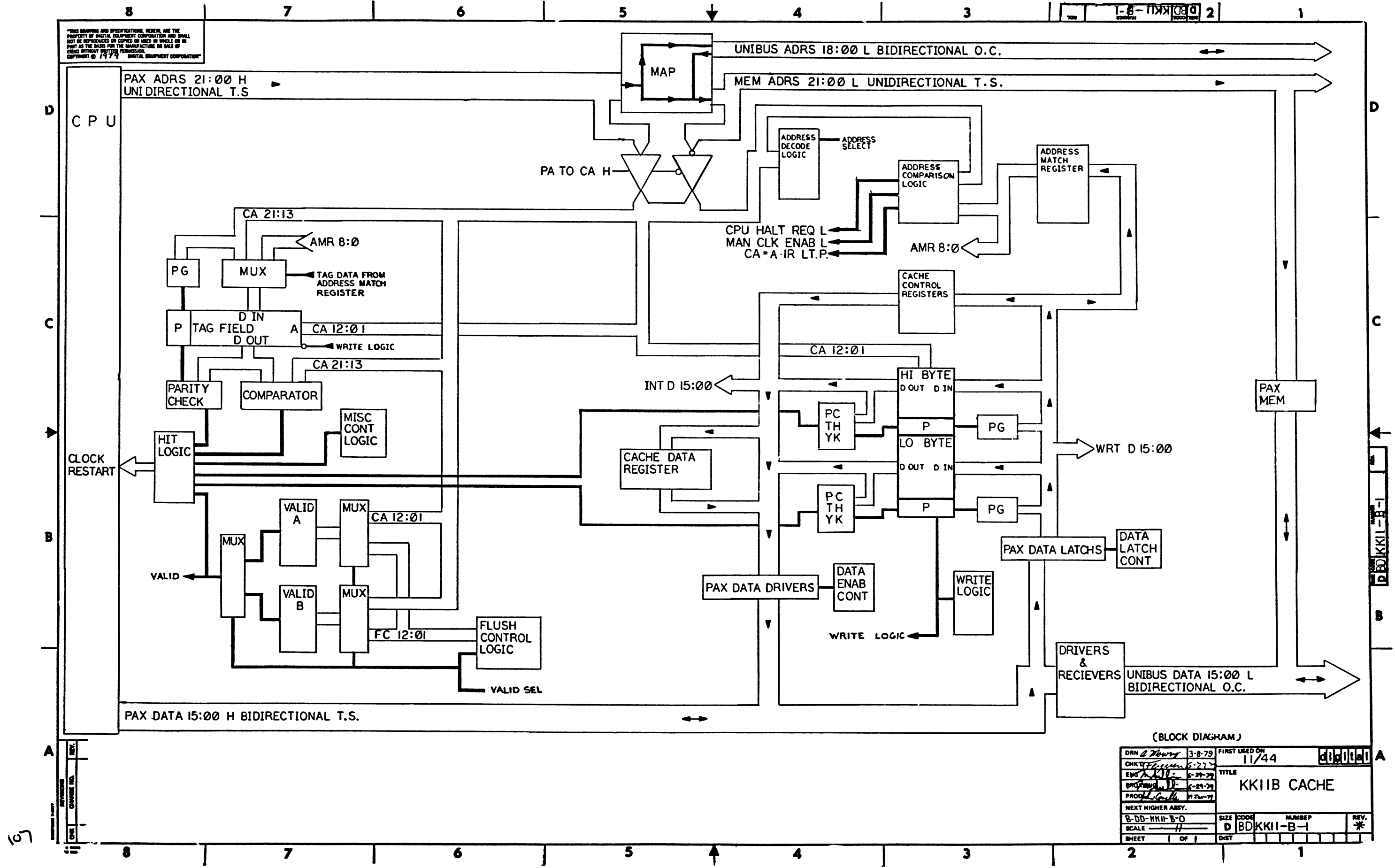
FOR FIELD MAINTENANCE PRINT SET

REFER TO:

MP00811

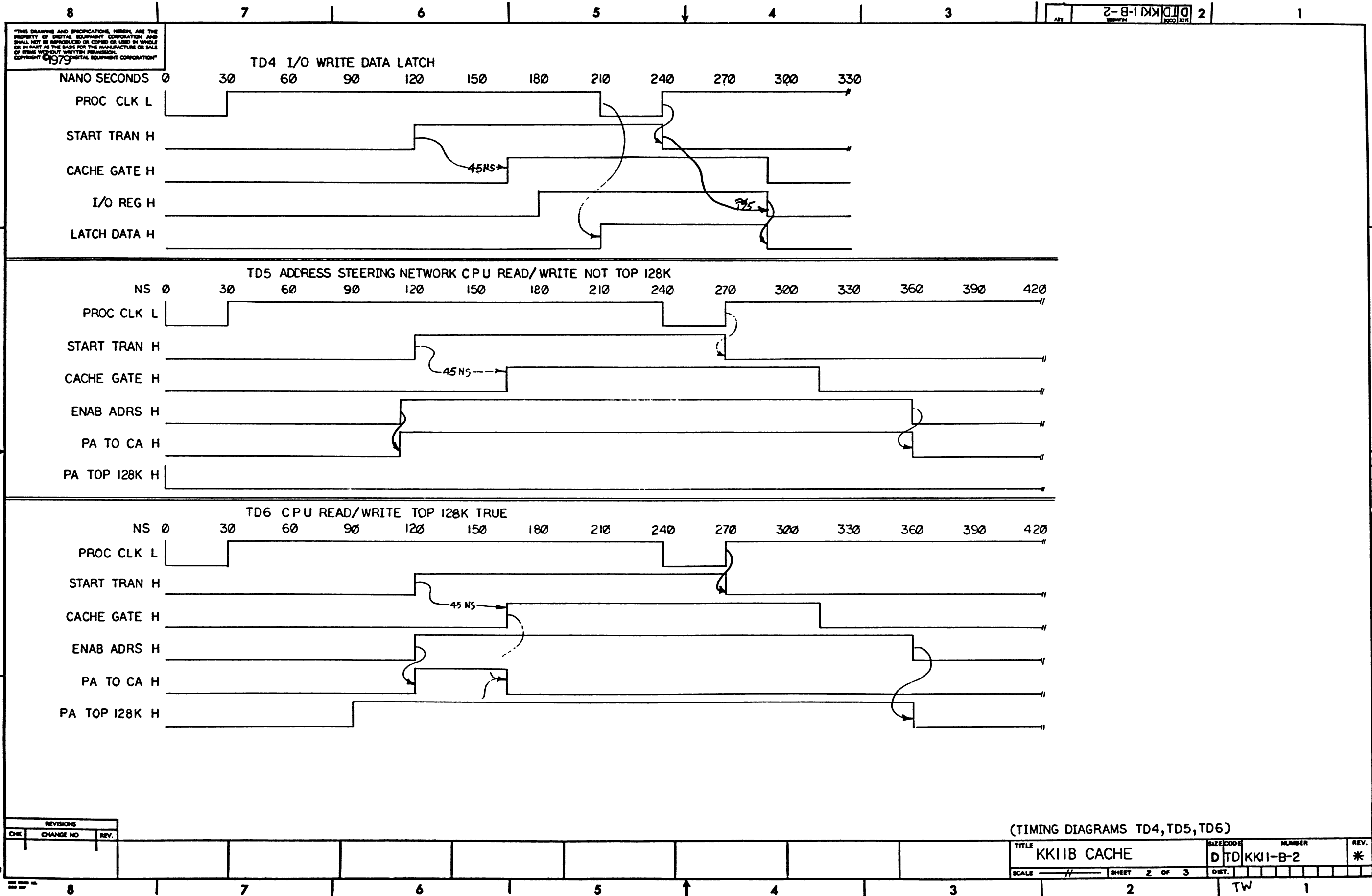
UNIT VARIATIONS

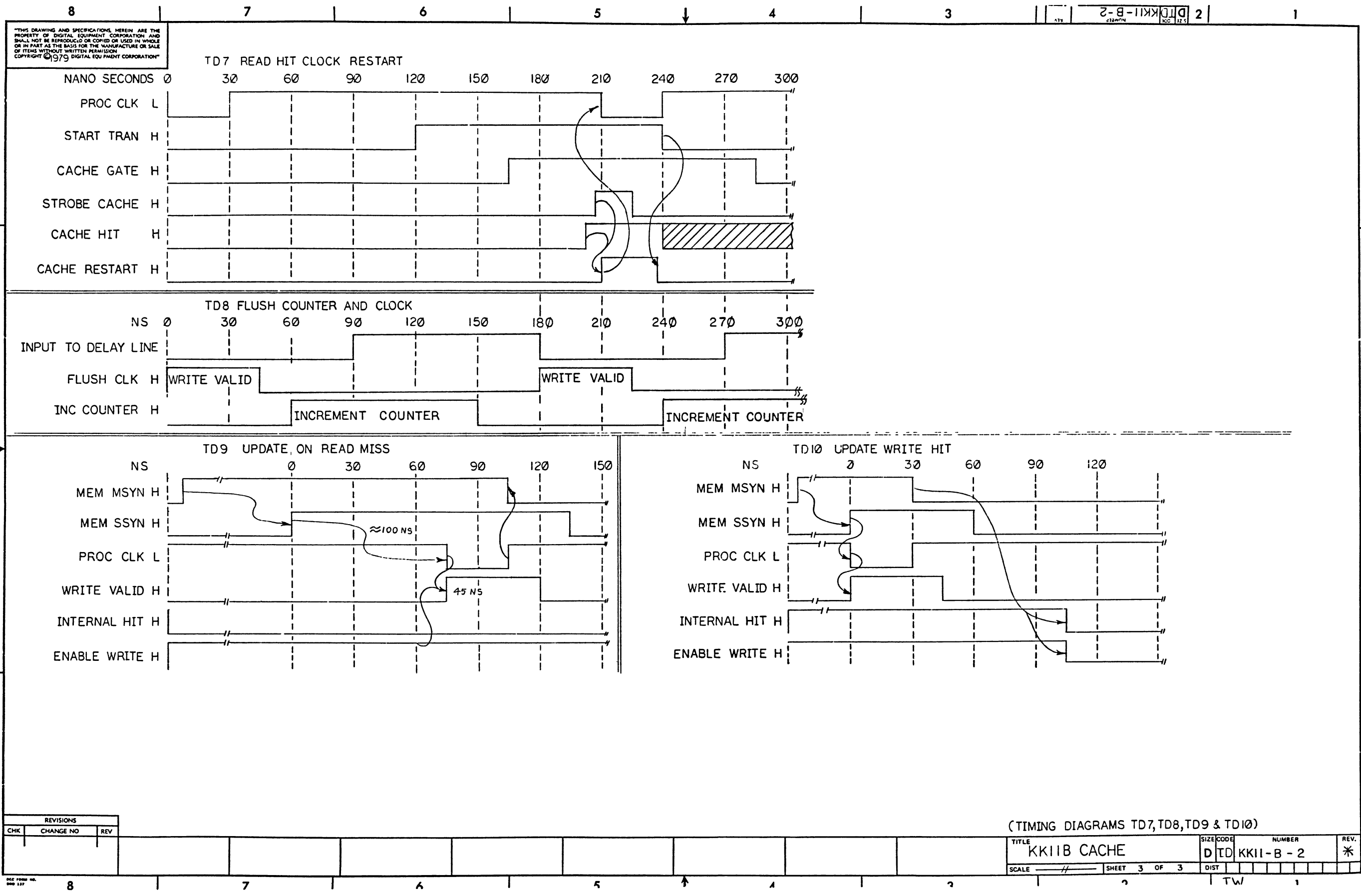
[illegible][illegible]



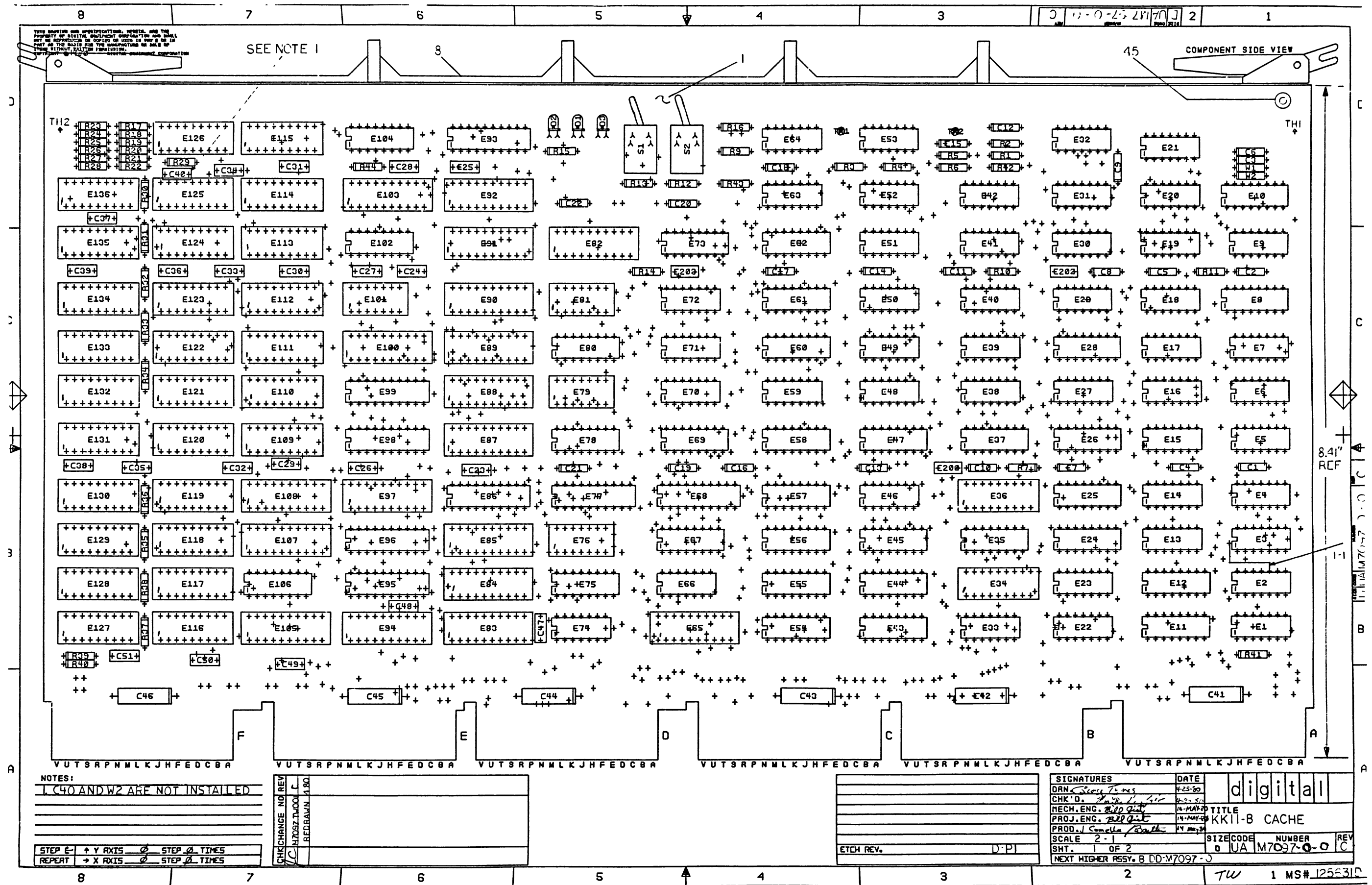
(BLOCK DIAGRAM)

DRN <i>2-7000</i>	3-8-79	FIRST USED ON	11/44	digital	A
CHK'D <i>W. J. Miller</i>	5-22-79	TITLE KKIIB CACHE			
ENG'D <i>W. J. Miller</i>	5-22-79				
PROG'D <i>W. J. Miller</i>	5-22-79				
PROD'D <i>W. J. Miller</i>	5-22-79				
NEXT HIGHER ASSY.					
B-DD-KKIIB-0		SIZE	CODE	NUMBER	REV.
SCALE 11		D	BD	KKIIB-1	*
SHEET 1		OF 1			





110



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
1	1		5013560-00	ATCH CIRCUIT BOARD	1	
2	2		1000021-00	220.0 MMF 100V 5%200PPM DM15S	2	C200,C203
3	3		1000024-00	470.0 MMF 100V 5%200PPM DM15S	1	C202
4	4		1005306-00	6.8MFD 35V 10% S.TANT	6	C41-C46
5	5		1010274-01	.22 MFD 50V -20+80 Z5U CER	22	C23-C39,C47-C51
6	6		1012784-00	.047 MFD 50V +80-20% CER	22	C1-C22
7	7		1210209-00	SW,TOC,SPDT,.01A6V,ON/ON,SUBMIN	2	S1,S2
8	8		1210711-02	HANDLE,MODULE,HEX	1	
9	9		1110864-00	LED 2MCD010MA	3	D1-D3
10	10		1300202-00	47.0 .25 W 5.0 % CC	1	R7
11	11		1300229-00	100.0 .25 W 5.0 % CC	13	R14,R18,R20,R21,R23,R25,R27,R29, R31,R33,R35,R37,R39
12	12		1300250-00	150.0 .25 W 5.0 % CC	13	CONT R10,R17,P19,R22,R24,R26,R28,R30, CONT R32,R34,R36,R38,R40
13	13		1300309-00	390.0 .25 W 5.0 % CC	4	R1,R2,R5,R6
14	14		1300316-00	470.0 .25 W 5.0 % CC	3	R9,P15,R16
15	15		1300365-00	1.0 K .25 W 5.0 % CC	8	R3,R4,R12,R13,R41-R44
16	16		1612463-00	DELAY= 150NS,10TAPS	2	E32,E53
17	17		1910318-00	DEC 74193 COUNTER,SYNCHR. UP/D	3	E26,E43,E54
18	18		1910532-00	74S00 NAND GATE-QUAD 2IN	9	E9,E13,E17,E18,E27,E33,E46,E49
19	19		1910533-00	74S03 NAND GATE-QUAD 2IN,0	1	E21
20	20		1910534-00	74S04 INVERTER GATE-HEX 1I	5	E22,E23,E31,E41,E51
21	21		1910536-00	74S10 NAND GATE-TRIPLE 3IN	3	E16,E30,E52
22	22		1910537-00	74S11 AND GATE-TRIPLE 3INP	3	E4,E5,E15
23	23		1910539-00	74S20 NAND GATE-DUAL 4INPU	3	E20,E29,E50
24	24		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	9	E1,E3,E6,E38,E39,E42,E63,E70,E71
25	25		1910548-00	74S157 MUX 1 OF 2 (QUAD)	10	E8,E10,E24,E25,E35,E37,E44,E45, CONT E55,E56
26	26		1910550-00	74S174 FF-D HEX	1	E73
27	27		1910957-00	74S175 FF-D QUAD COMMON CLO	3	E47,E78,E80

REVISION HISTORY			BASIC PART NO: M7097			DIGITAL									
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	M.FUNARO	DATE: 16-FEB-79									
						TITLE PARTS LIST									
---	INITIAL	C	SECTION VARIATION INDEX	CHK'D:	E.T.GERRY	DATE: 16-FEB-79	KK11-B CACHE								
MS	TWC01	C	[A] 00												
			[B]												
			[C]	DES.ENG:	M.SULLIVAN	DATE: 16-FEB-79									
			[D]												
			[E]				DOCUMENT NUMBER								
			[F]	RESP.ENG.:	M.SULLIVAN	DATE: 27-JUN-79									
			[H]				SIZE	CODE	NUMBER	REV					
			[J]												
			[K]	MFG.ENG.:	J.COMELLA	DATE: 27-JUN-79	K	PL	M7097-0-DBP	C					
			[L]												
			[M]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:		FILE NAME:			EDIT #1					
			[N]	ID-UA-M7097-0-0				Z0620C.PLS			17				

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980, DIGITAL EQUIPMENT CORPORATION "

tw

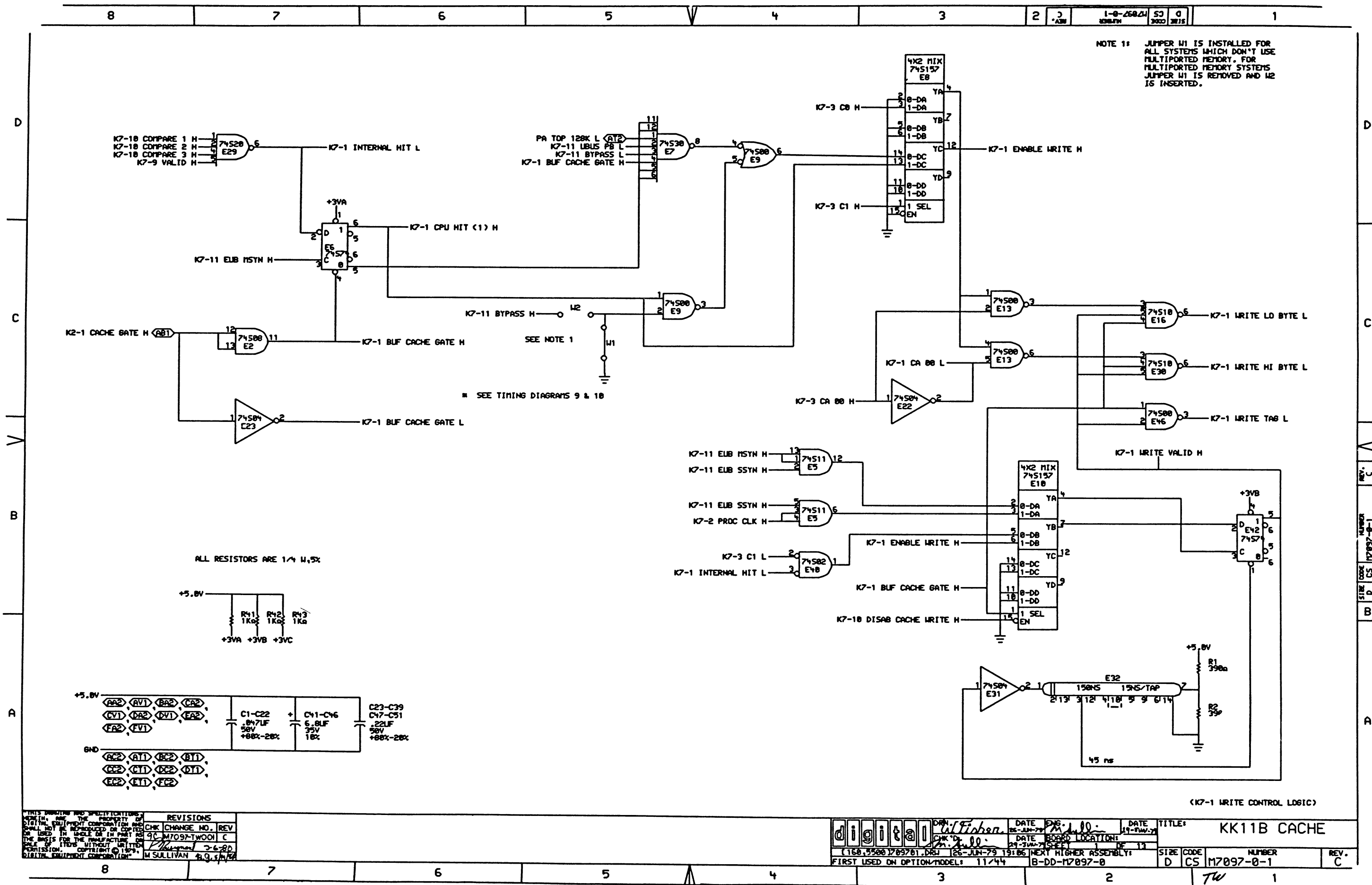
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
28	28		1911116-00	DEC 8837 RECEIVER,BUS,HEX,UN	1	E11
29	29		1911573-00	74S280 PARITY GEN/CHKR,9BIT	4	E76,E79,E81,E101
30	30		1911579-00	8641 TPANSCEIVER,BUS,QUA	1	E12
31	31		1911675-00	74S138 DECODER/DFMUX 3-8 LIN	1	E60
32	32		1911983-00	74S133 NAND GATE-POSITIVE 1	2	E28,E62
33	33		1912089-00	74S85 CMPRTR-4BIT MAGNITUD	7	E57,E61,E67,E69,E75,E104,E106
34	34		1912096-00	DEC 74S86 XOP GATE,QUAD 2IN	1	E64
35	35		1912388-00	74S02 NOP GATE-QUAD 2IN,PO	5	E19,E40,E48,E59,E72
36	36		1912389-00	74S08 AND GATE-QUAD 2IN,PO	2	E2,E14
37	37		1913462-00	74S240 OCTAL BUFFER,INVERTI	3	E65,E84,E107
38	38		1913493-00	74S241 OCTAL BUFFER,TRI-STA	8	E83,E85,E87,E94,E97,E100,E103, E105
39	39		1913670-00	74S373 LATCH 9BIT TRASP TR	2	E68,E95
40	40		1913671-00	74S374 FF-D OCTAL TRISTATE	7	E77,E86,E89,E93,E96,E98,E99
41	41		1914086-00	74S30 NAND GATE-POS 8IN	3	E7,E66,E74
42	42		1914866-00	AM 93S48PCGE"/CHCK PARITY, 4B	2	E58,E102
43	43		1915193-00	LS244 DRIVER,LINE,OCTAL,T	6	E82,E88,E90-E92,E108
44	44		2114523-00	4K MOS RAM 55NS 18PIN	30	E34,E36,E109-E136
45	45		9000024-01	EYFLET, ROLLED FLANGE, .121 OD X	12	
46	46		9008085-00	TEPM PCB 1POS SOLDER TURKET	2	TP1,TP2
47	47		9009185-00	JUMPER, WIPE, INSULATED, BLACK B	1	W1
48	48		9105740-55	WIRE(WRAP)30AWG UL1423	1	
49	49		1300295-00	330.0 .25 W 5.0 % CC	1	R11

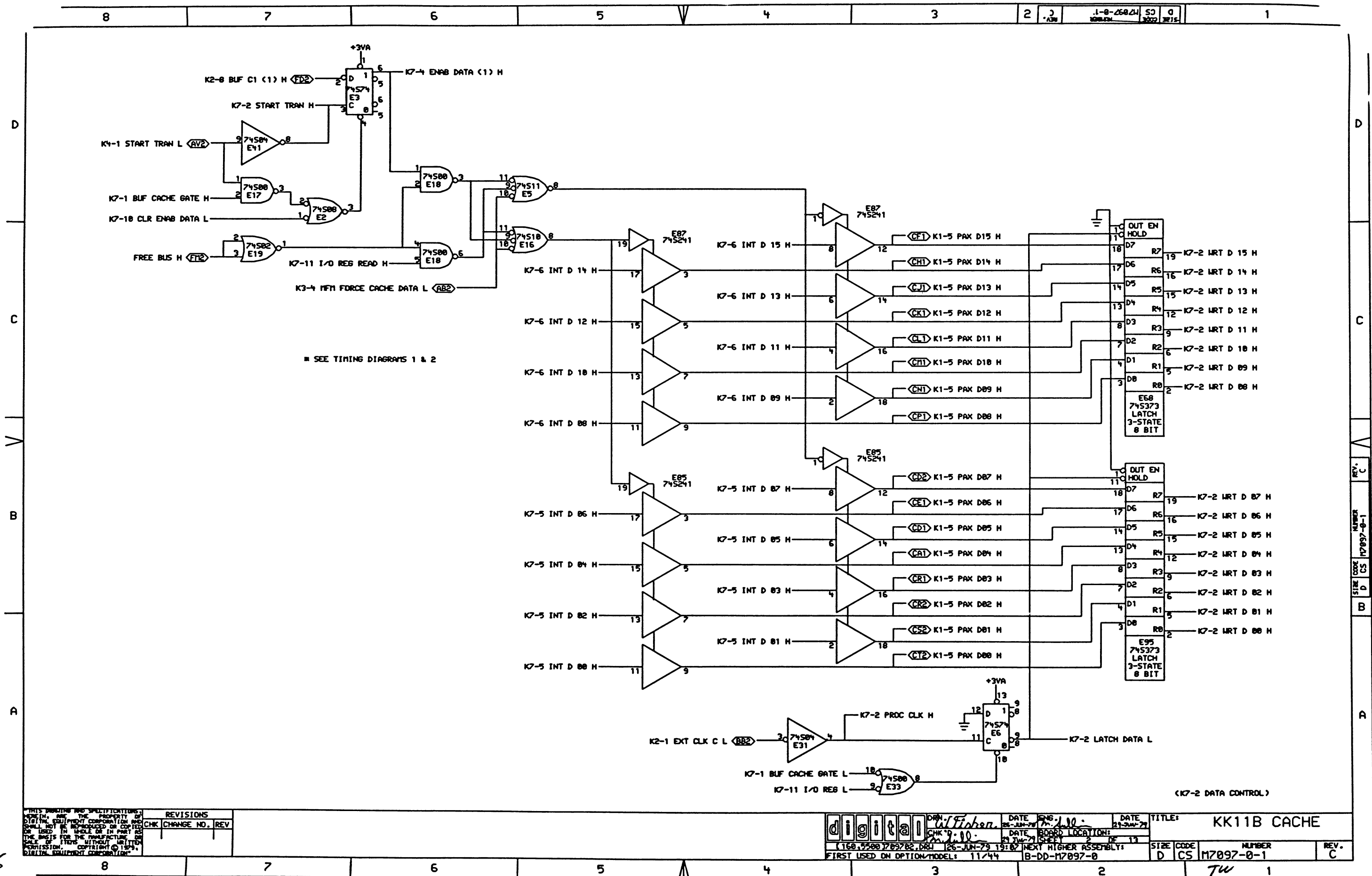
CONT

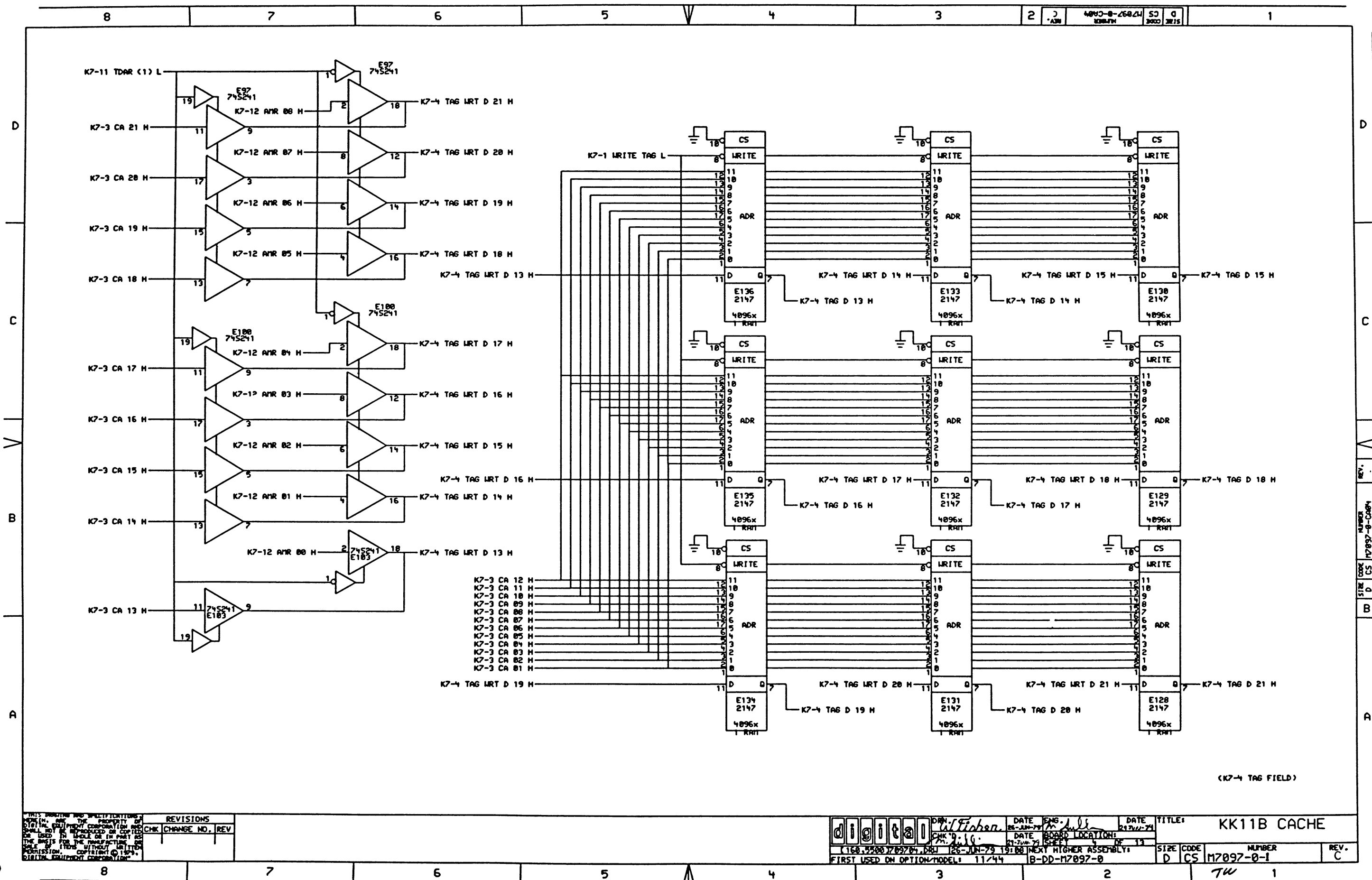
113

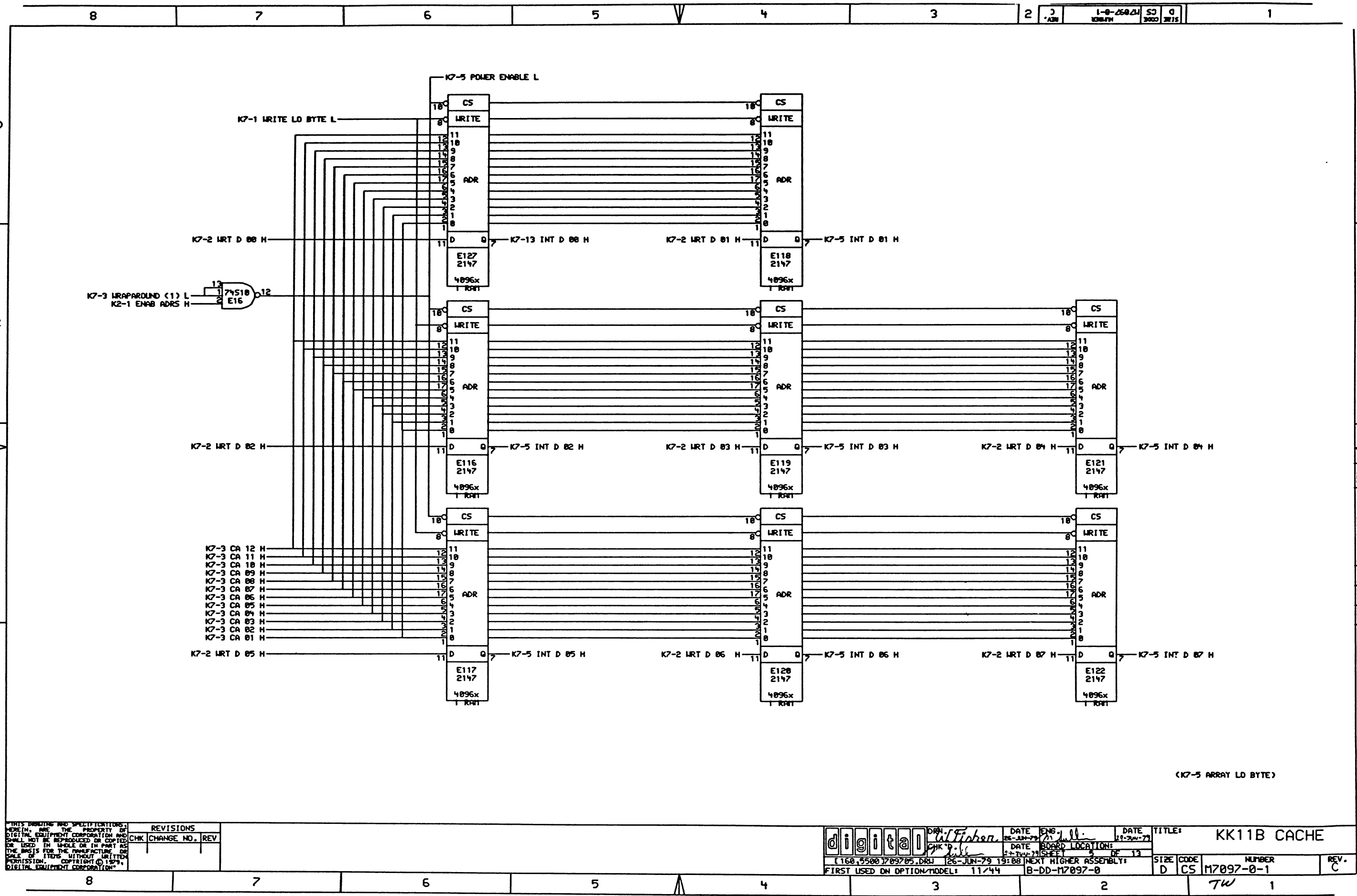
D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							KK11-B CACHE		K	PL	M7097-0-DRP	C

TW









8

7

6

5

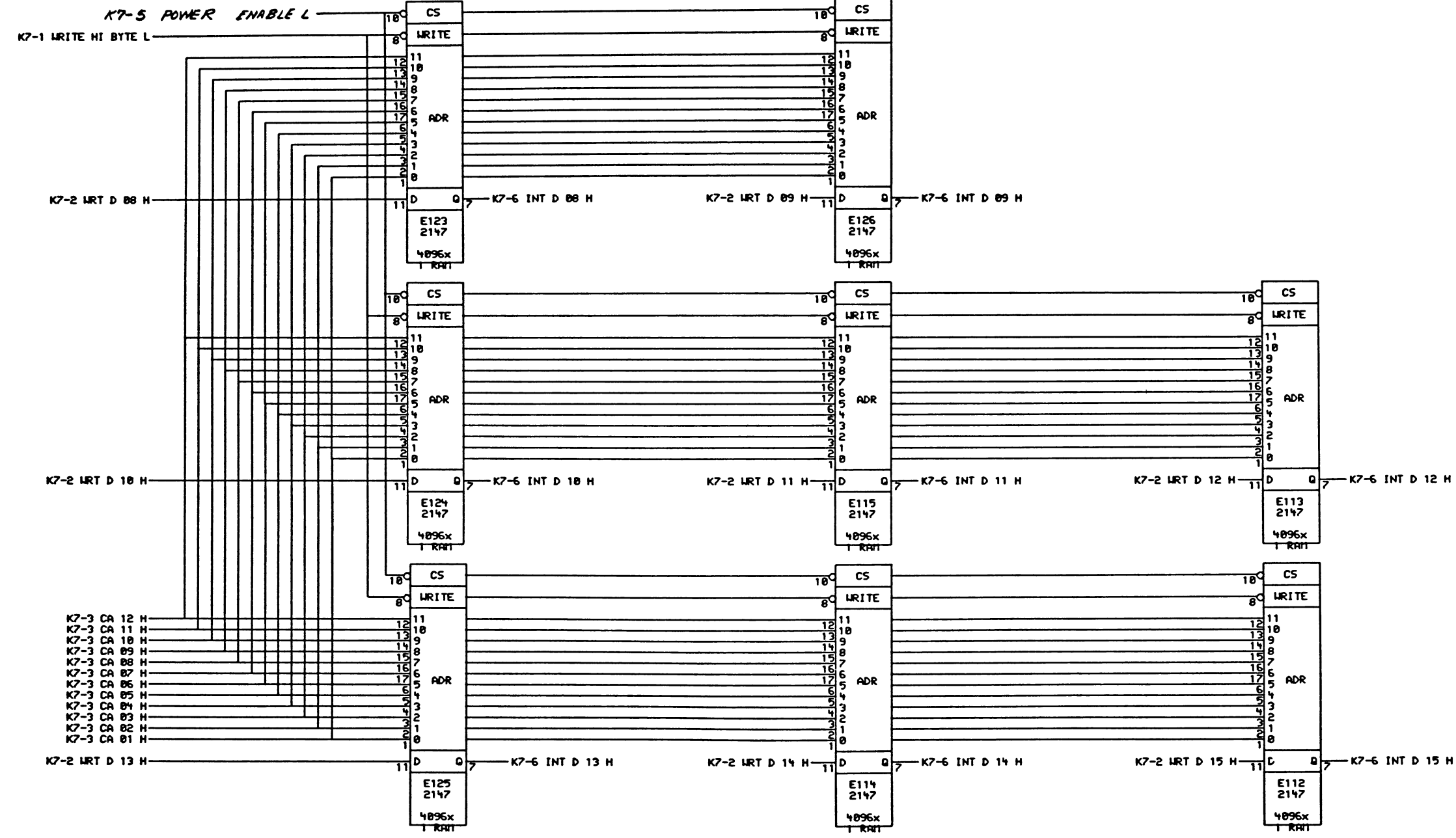
4

3

2

1

SIZE	D	CODE	CS	NUMBER	REV.
1-8-25024	1-8-25024	1-8-25024	1-8-25024	1-8-25024	1-8-25024

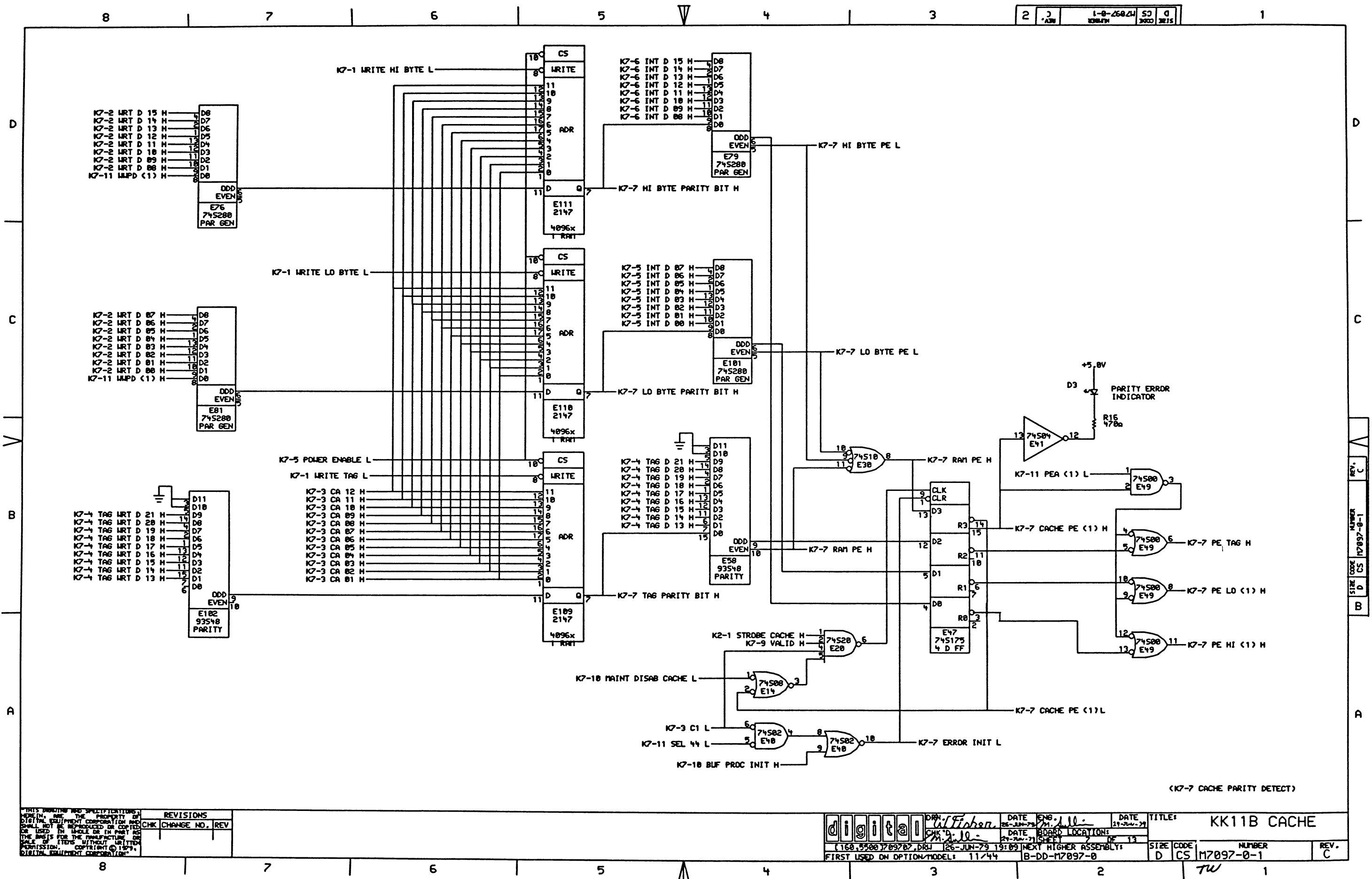


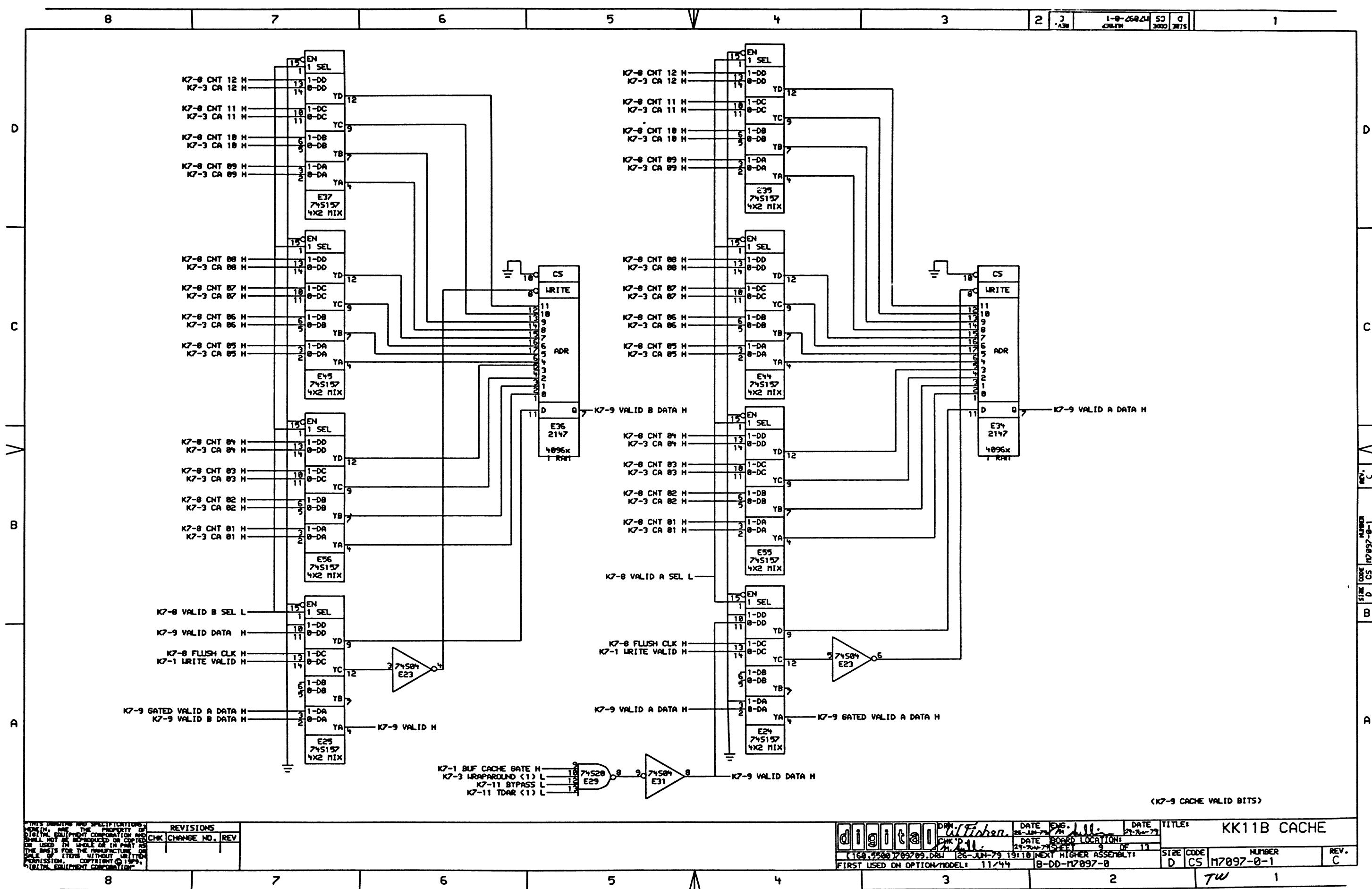
(K7-6 ARRAY HI BYTE)

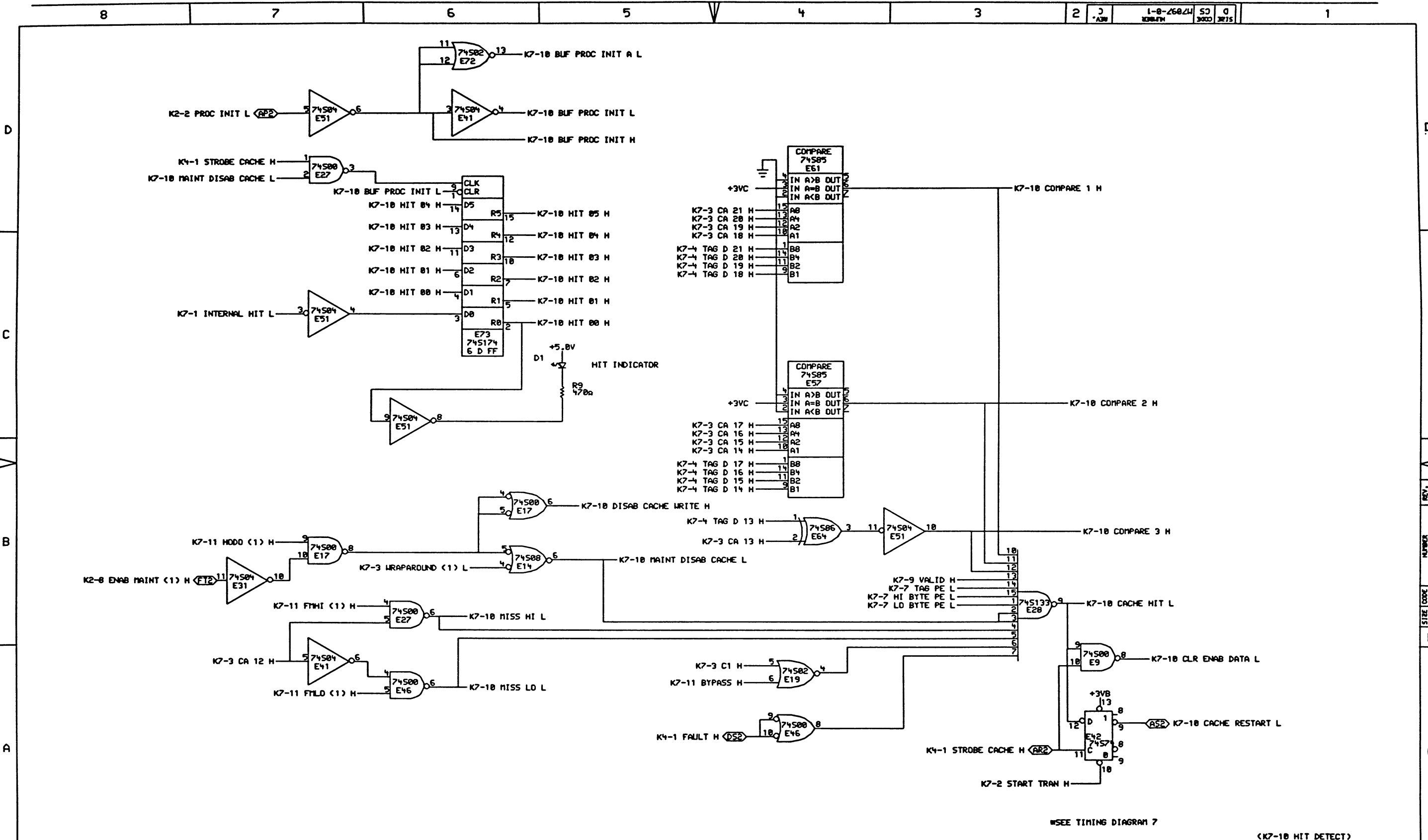
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF ORIGINAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED FOR USE IN ANY MANNER OR AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.	REVISIONS		
	CHK	CHANGE NO.	REV

digital	DATE	ENG.	DATE	TITLE
160,5500709706.DRW	26-JUN-79	M. J. Fisher	27-JUN-79	KK11B CACHE
FIRST USED ON OPTION MODEL: 11/44	DATE	BOARD LOCATION	DATE	BOARD LOCATION
	24-JUN-79	6 OF 13		
		NEXT HIGHER ASSEMBLY:		
		B-DD-M7097-0		
SIZE	CODE	NUMBER	REV.	
D	CS	M7097-0-1	C	

119

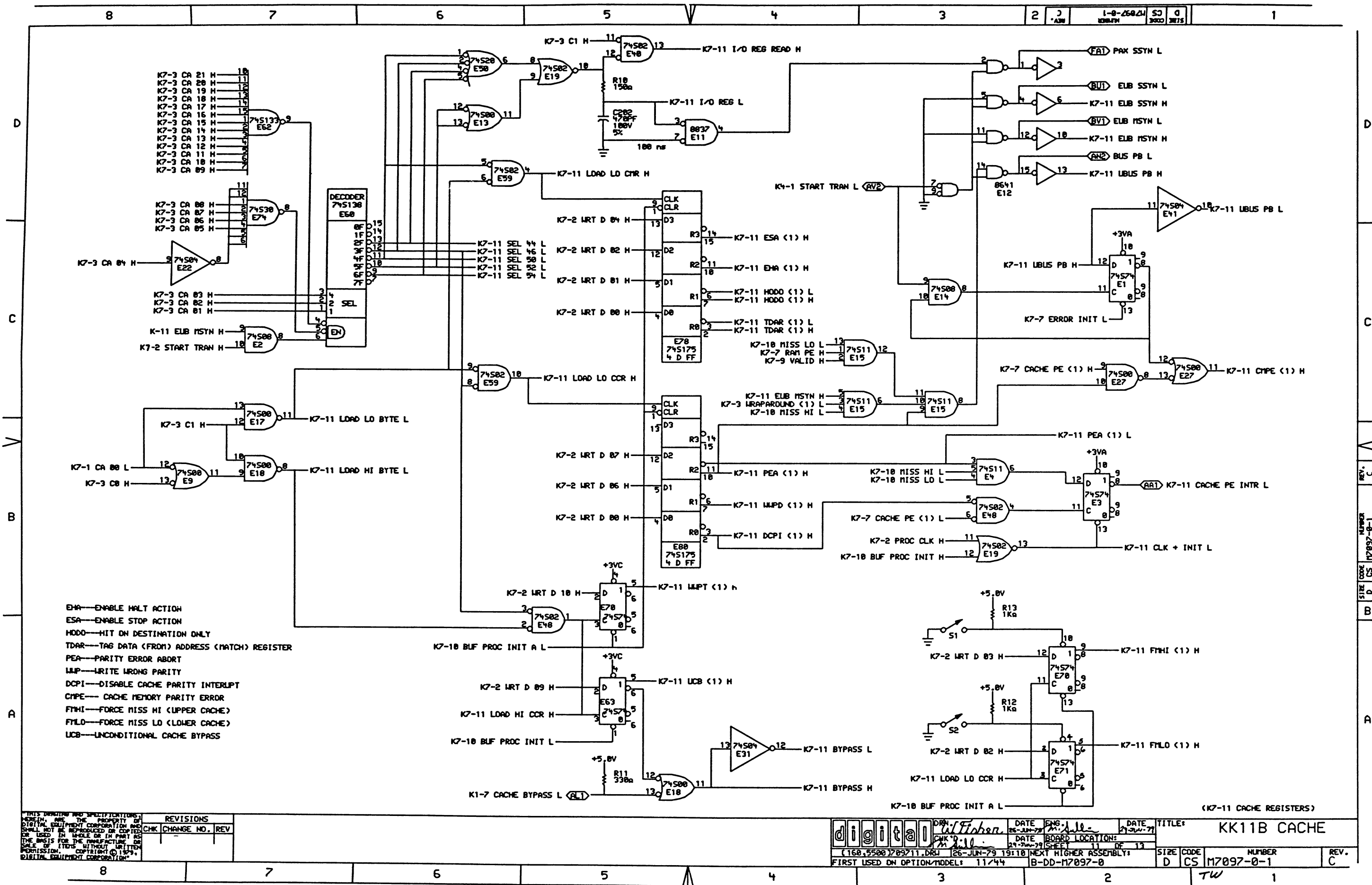






THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.		REVISIONS CHK CHANGE NO. REV		digital		DATE ENG. <i>Full</i> 25-JUN-79	DATE <i>Full</i> 27-JUN-79	TITLE: KK11B CACHE	
(168,5500) 209710.DRW		126-JUN-79 19:10		NEXT HIGHER ASSEMBLY: B-DD-M7097-0		SIZE CODE D	CS	NUMBER M7097-0-1	REV. C
FIRST USED ON OPTION MODEL: 11/44									

123



8

7

6

5

4

3

2

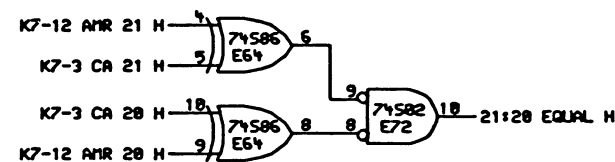
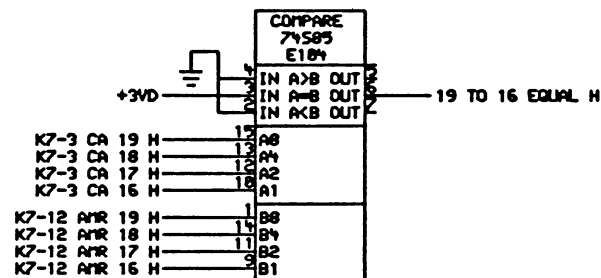
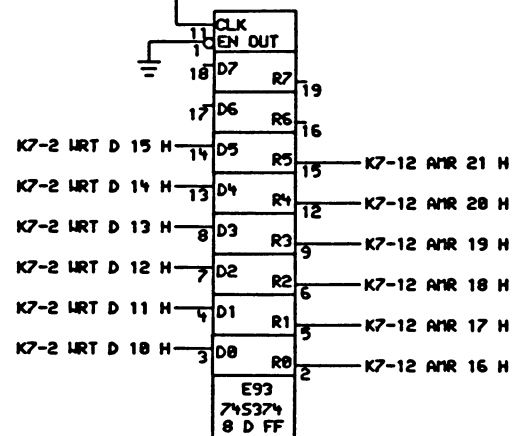
1-8-26024

SC

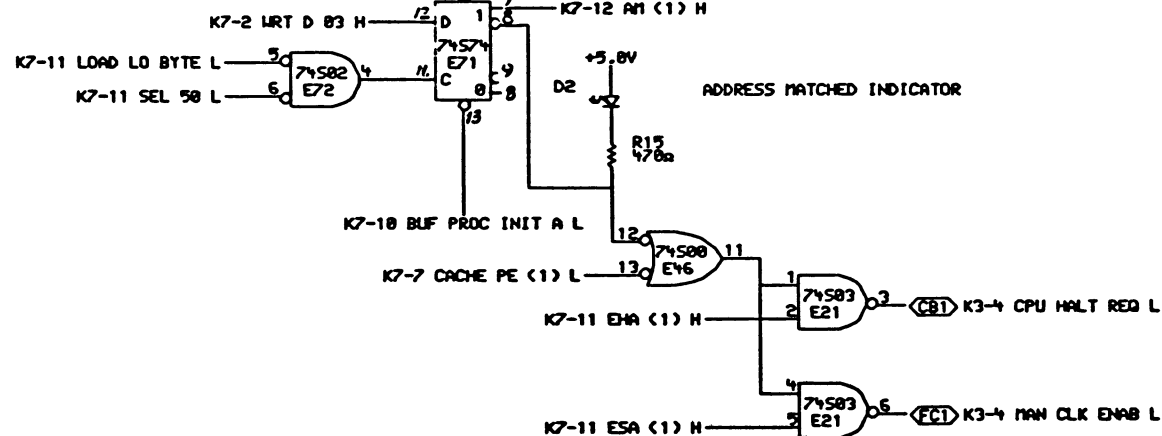
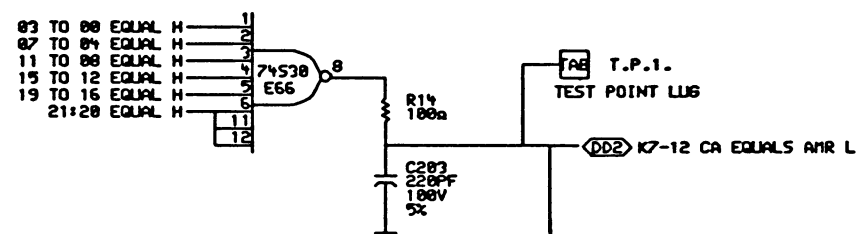
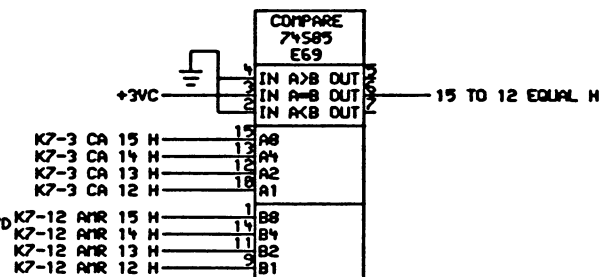
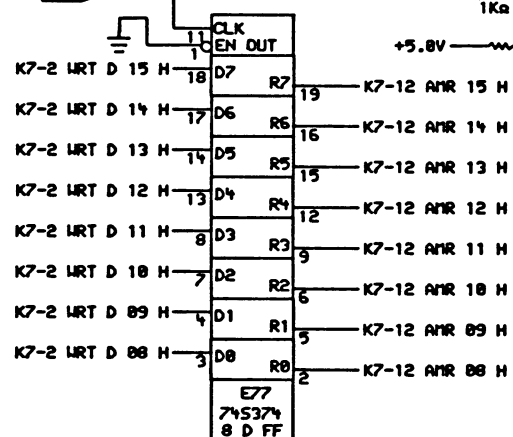
D

1

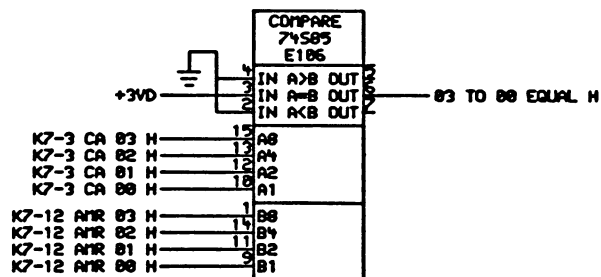
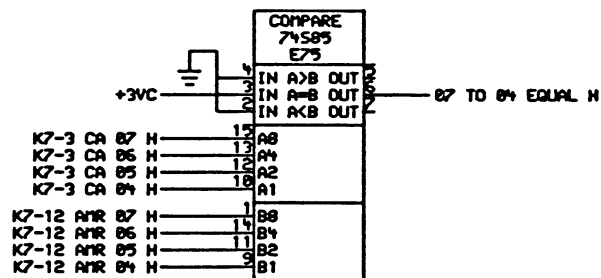
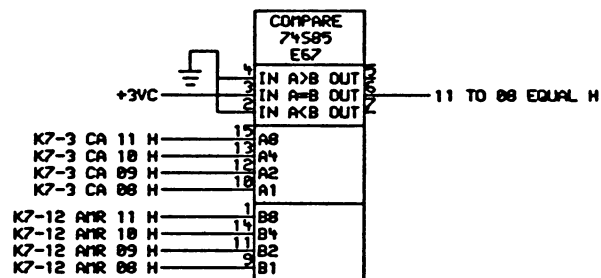
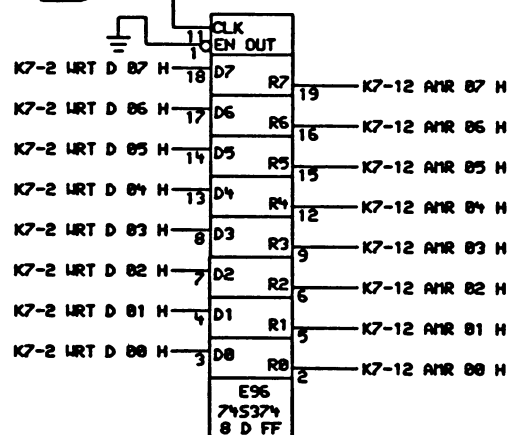
K7-11 LOAD HI BYTE L 8
K7-11 SEL 50 L 9



K7-11 LOAD HI BYTE L 11
K7-11 SEL 52 L 12



K7-11 LOAD LO BYTE L 2
K7-11 SEL 52 L 3



(K7-12 ADDR MATCH REGISTERS)

THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

digit@l	DRN.	DATE	ENG.	DATE	TITLE: KK11B CACHE
	W. Fisher	26-JUN-79	W. Fisher	29-JUN-79	
	ENG. R. M. Hill	DATE	BOARD LOCATION:		
	26-JUN-79	SHEET 12 OF 13			
C160.5500 1709712.DRW 26-JUN-79 19:11 NEXT HIGHER ASSEMBLY:					
SIZE	CODE	NUMBER		REV.	
D	CS	M7097-0-1		C	

8

7

6

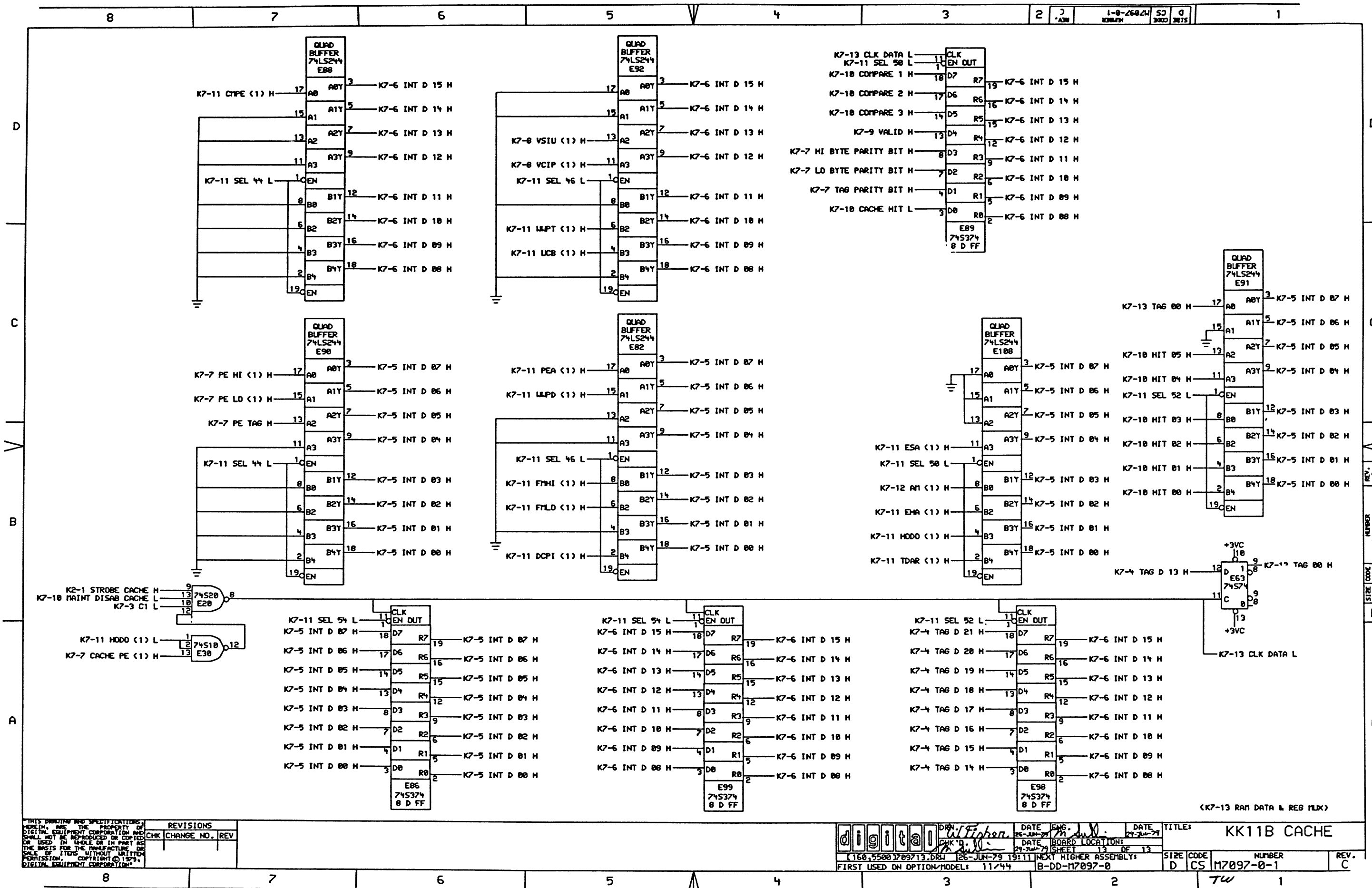
5

4

3

2

1



FIELD MAINTENANCE PRINT SET

TABLE OF CONTENTS

B-DD-Ball-A-0	Drawing Directory
E-UA-Ball-A-0	Unit Assy.
A-PL-Ball-A-0	Parts List
E-AD-7016391-0-0	Ball-A Box Assy.
B-PL-7016391-0-0	Part List
C-IA-7016901-0-0	Fan Power Harness
D-AD-7016472-0-0	Fan Tray Assy.
MP00833	H7140 Power Supply
D-AD-7016888-0-0	Power Distribution Bd. Assy
D-UA-5413632-0-0	Power Distribution Bd.
D-CS-5413632-01	Circuit Schematic (PWR Distribution BD)
E-AD-7016493-0-0	Ball Box Frame Assy

[illegible]

**Field Maintenance
Print Set**

BA11-A

**Digital Equipment
Corporation**

MP00832

REVISIONS	REV		USED ON OPTION/MODEL		DRN.	DATE	digital TITLE: BA11-A Box Assembly									
	CHG. NO.					Jern [Signature]										
	DATE					CHK'D	DATE									
						[Signature]	8/17/79									
						PROJ. ENG.	DATE									
						[Signature]	8/17/79									
						FIELD SERV.	DATE									
			SHEET 1 OF 1				SIZE B	CODE TC	NUMBER BA11-A-1				REV. ✱			
							DIST.									

TW

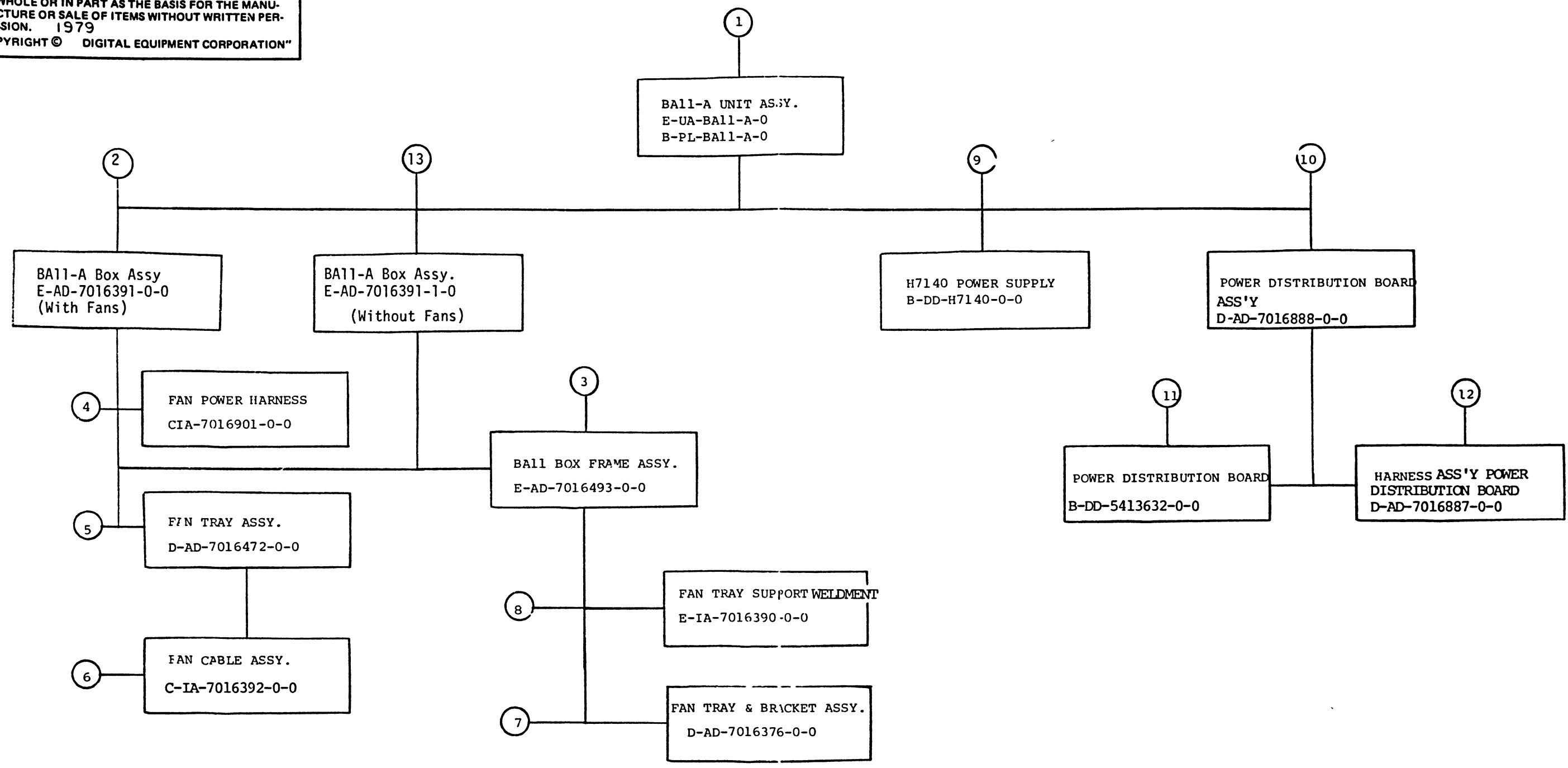
SIZE	CODE	REV.
B	TC	
BALL NUMBER		
B11-A-8		

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION

[illegible]

REVISIONS	REV.		USED ON OPTION/MODEL	DRN.		DATE		TITLE	digital									
	CHANGE NO.			John Nagle	1 May79	Ball-A UNIT ASSY.												
	CHK			CHK'D.		DATE												
				PROJ. ENG.		DATE			SIZE	CODE	NUMBER				REV			
									B	DD	Ball-A-0				*			
				PROD.		DATE												
SHEET 1 OF 3				John Conella	29 JUN 79	DIST.												

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. 1979
COPYRIGHT © DIGITAL EQUIPMENT CORPORATION"



TITLE	BALL-A UNIT ASSY.	SHEET 2 OF 3	SIZE CODE B DD	NUMBER BALL-A -0	REV *
-------	-------------------	--------------	--------------------------	---------------------	----------

129

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	E-UA-Ball-A-0	BAll-A UNIT ASSY.	E/M
	B-PL-BALL-A-0	BAll-A PARTS LIST	REF
2	E-AD-7016391-0-0	BAll-A BOX ASSY. (with fans)	E/M
	D-PS-1216189-0-0	RETRACTOR SLIDE PAWL	M
	B-PS-1216190	SPRING SLIDE PAWL	M
	B-MD-7421611-0-0	SLIDE PAWL	M
	B-MD-7421444-0-0	PLATE SLIDE NUT	M
	D-MD-7421613-0-0	SLIDE INDEX PLATE (2)	M
	B-PS-1216197-0-0	PIVOT SCREW	M
	D-PS-1215848-0-0	CARD GUIDE	M
	B-MD-7421612-0-0	BAR GUIDE MNTNG	M
3	E-MD-7016493-0-0	BAll BOX FRAME ASSY.	M
	E-MD-7421631-0-0	SIDE PANEL LEFT	M
	E-MD-7421441-0-0	CARD CAGE FRONT	M
	D-MD-7421616-0-0	SPRING BOX LOCK	M
	E-MD-7421610-0-0	SIDE PANEL RIGHT	M
4	C-IA-7016901-0-0	FAN POWER HARNESS	E
5	D-AD-7016472-0-0	FAN TRAY ASSY.	E/M
6	D-IA-7016392-0-0	FAN CABLE ASSY.	E
7	D-AD-7016376-0-0	FAN TRAY & BRACKET ASSY.	M
	D-MD-7421632-0-0	FAN TRAY	M
	B-MD-7421387-0-0	BRACKET FAN TRAY CONN	M
8	E-AD-7016390-0-0	FAN TRAY SUPPORT WELDMENT	M
	E-MD-7421634-0-0	FAN TRAY SUPPORT FRONT	M
	E-MD-7421633-0-0	FAN TRAY SUPPORT REAR	M

Type:

E

M

E/M

ELECTRICAL
MECHANICAL
ELECTRO/MECHANICAL

TITLE

Ball-A Unit Assy.

SHEET

3

OF

3

SIZE

B

DD

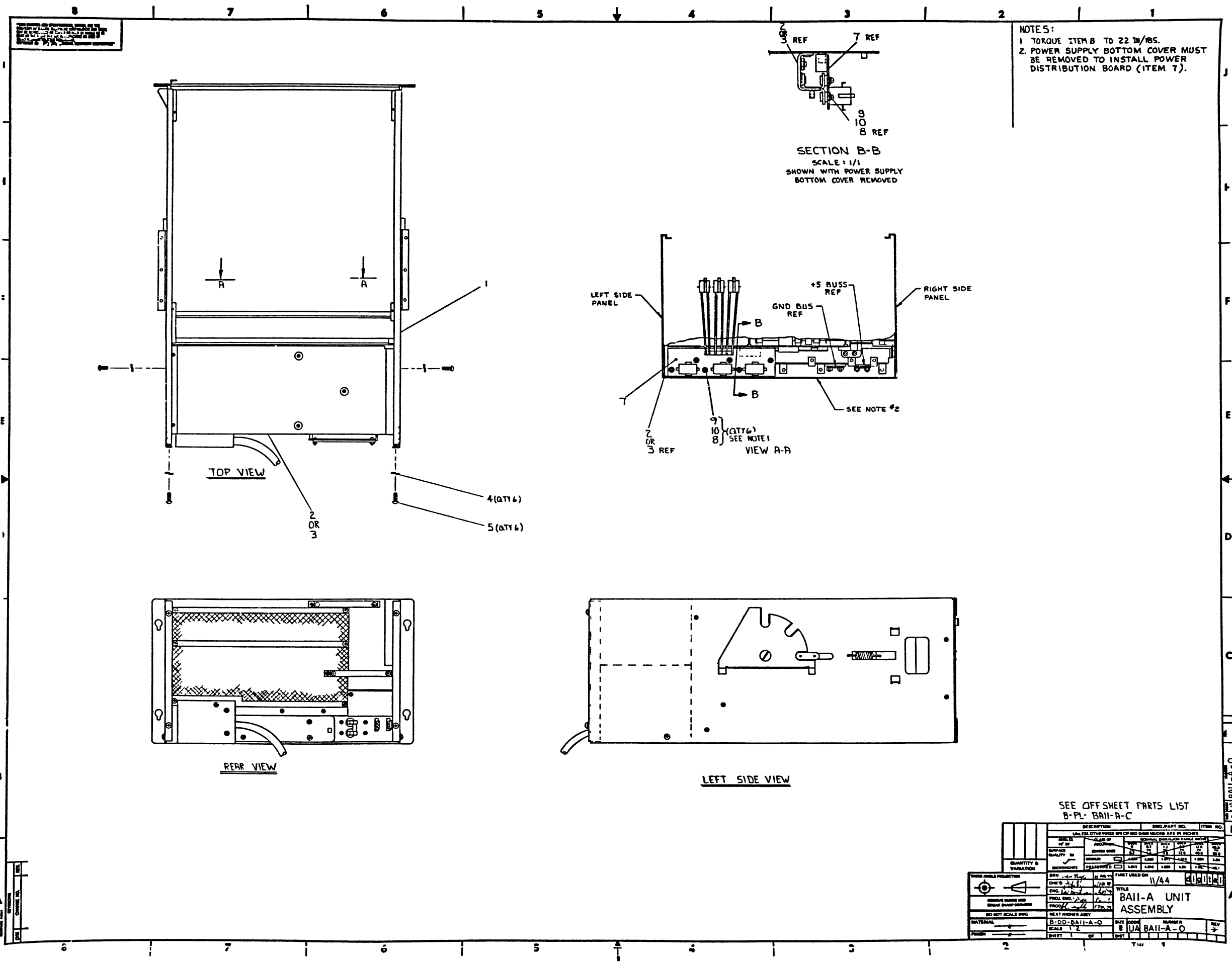
CODE

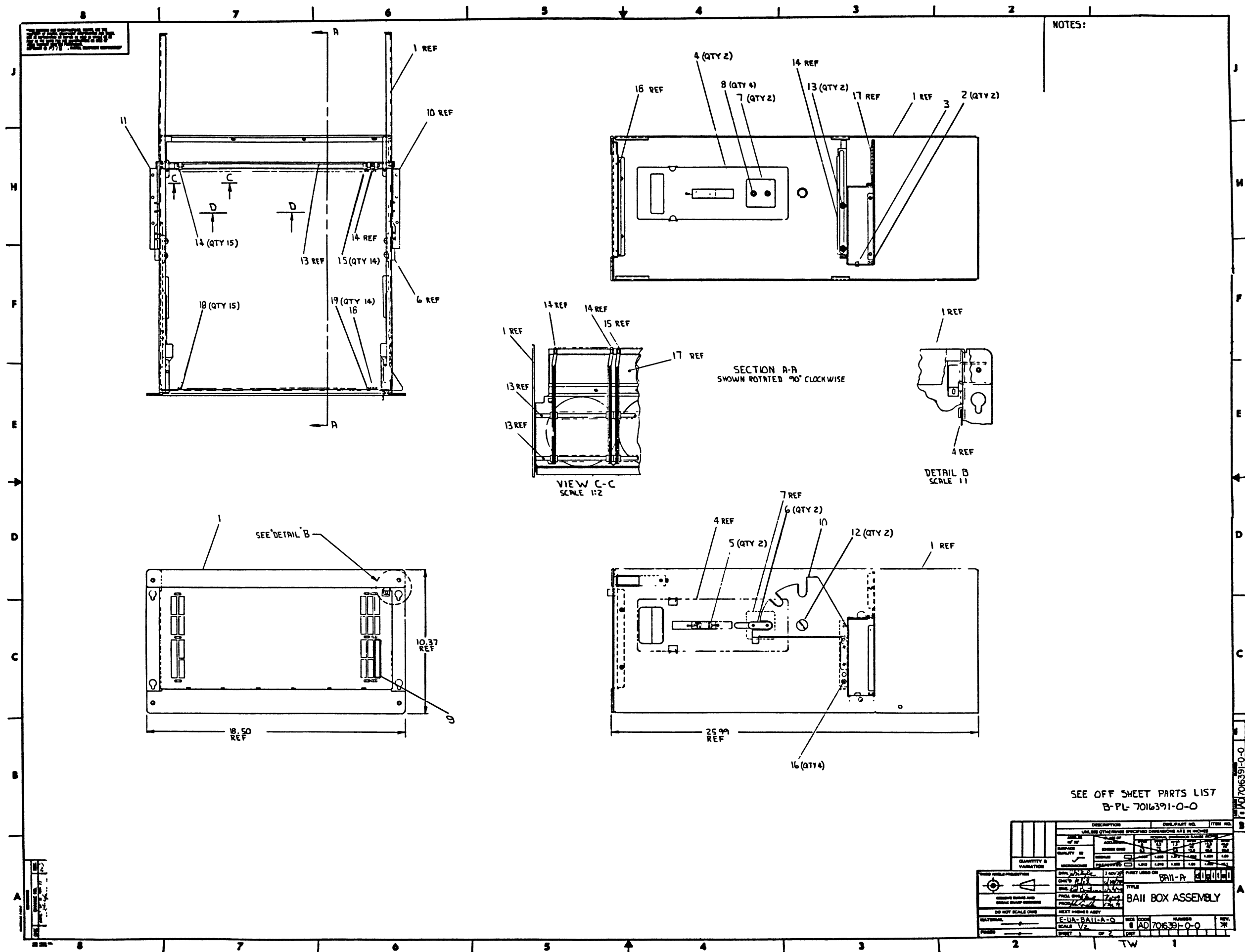
NUMBER

Ball-A-0

REV

*





DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY J. NAGLE DATE 8 JUNE 1979		CHECKED <i>[Signature]</i> DATE 6/29/79		SECTION															
ENG <i>[Signature]</i> DATE 6/29/79		PROD <i>[Signature]</i> DATE 6 JUL -79		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	7016391-0-0	7016391-1-0												REF DESIGNATION		
1	E-MD-7016493-0-0		BA11 BOX FRAME ASSY	1	1														
2		9010107-00	CARD GUIDE (FAN TRAY)	2	2														
3		9007783-00	SNAP BUSHING	1	1														
4		1216189	RETRACTOR, SLIDE PAWL	2	2														
5		1216190	SPRING, SLIDE PAWL	2	2														
6	B-MD-7421611-0-0		SLIDE PAWL	2	2														
7	B-MD-7421444-0-0		PLATE, SLIDE NUI	2	2														
8		1216785	SEMS SCREW, PHIL TRUSS HD #10-32X.437 INT TOOTH	4	4														
9		9007035-00	GROMMET, CATAPILLER TYPE 5.70 INCHES	1	1														
10	D-MD-7421613-0-0		PLATE, SLIDE INDEX, RIGHT HAND	1	1														
11	D-MD-7421613-0-1		PLATE, SLIDE INDEX, LEFT HAND	1	1														
12		1216197	PIVOT SCREW	2	2														
13	B-MD-7421612-0-0		BAR, GUIDE MOUNTING	2	2														
14		1215848-0	CARD GUIDE (NATURAL)	15	15														
15		1215848-1	CARD GUIDE (BLACK)	14	14														
16		9010118-00	SCREW, NYLOCK 100° C SINK PHLP HD .31X#10-32	4	4														
17		9009087	FOAM TAPE, .125 X 2.10 X 12"	1	1														
18		1212405-0	CARD GUIDE (SNAP IN) WHITE	15	15														
19		1212405-10	CARD GUIDE (SNAP IN) BLACK	14	14														
20	C-IA-7016901-0-0		FAN POWER HARNESS	1	-														
21	D-AD-7016472-0-0		FAN TRAY ASSY	1	-														
22		9010120-00	SCREW 6-32 X .187 NYLOCK	2	-														
23		9009771-03	CABLE CLAMP	2	2														

E.C.O. NO.

TITLE
BA11 BOX ASSEMBLY

ASSY NO.
E-AD-7016391-0-0

SIZE
B

CODE
PL

NUMBER
7016391-0-0

REV.
*

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"

TITLE	BA11 BOX ASSEMBLY
--------------	-------------------

ASSY NO.	E-AD-7016391-0-0
----------	------------------

SHEET 1 OF 1

SIZE	CODE
B	PL

NUMBER
7016391-0-0

REV.
*

INSERTION PARTS LIST DATA BASE REV

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION

CAUTION
DO NOT SCALE

20.00 ±.12

4 QTY 2

6

5

3

2 QTY 2

1 REF

2 REF

ITEM NO.	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	TIE, CABLE SSTI-M	9007031-00	6
1	CABLE, CABLE I.D.	9009532-00	5
2	TERM. GCK 1 POS INS 22-18A ROLL	9007970-00	4
W/R	WIRE, #18 AWG TWST PAIR	9107430-29	3
2	PIN, MATE'N LOC #18 AWG	1209378-00	2
1	CONN, MATE N LOC 3 PIN	1209351-03	1

QUANTITY & VARIATION		DESCRIPTION		DWG./PART NO.		ITEM NO.	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES ±0° 30'		CLASS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE INCHES			
SURFACE QUALITY IN MICROINCHES		MEDIUM ☐		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
✓		PREFERRED ☐		±.004	±.008	±.012	±.016
				±.024	±.04	±.083	±.1

REVISIONS	CHANGE NO.	REV.
CHK	7016901-TW001	A
J. NAGLE	5-27-79	

THIRD ANGLE PROJECTION		FIRST USED ON	
REMOVE BURRS AND BREAK SHARP CORNERS	DRN. J. NAGLE 6-10-79	BA11-A	
DO NOT SCALE DWG	CHK'D P. K. 9/11/79	TITLE	
MATERIAL	ENG. R. B. BROWN 4/14/79	FAN POWER HARNESS	
FINISH	PROJ. ENG. P. BRADLEY 6-29-79		
	PROD. G. CHALLA 2-9-79		
	NEXT HIGHER ASSY.		
	EAD-7016391-0-0		
	SCALE NONE		
	SHEET 1 OF 1		

SIZE	CODE	NUMBER	REV.
C	IA	7016901-0-0	A

TW 1

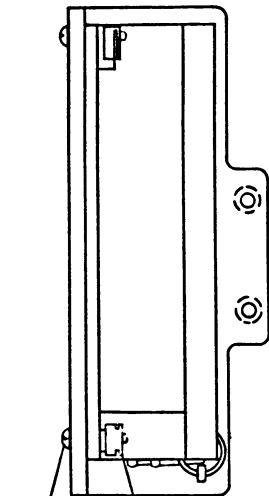
1	TIE, CABLE SSTI-M	9007031-00	6
1	TABLE, CABLE I.D.	9009532-00	5
2	TERM. GCK 1 POS INS 22-18A ROLL	9007970-00	4
P/R	WIRE, 18 AWG TWST PAIR	9107430-29	3
2	PIN, MATE N LOC 18 AWG	1209378-00	2
1	CONN. MATE N LOC 3 PIN	1209351-03	1

DESCRIPTION		DWG./PART NO.		ITEM NO.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						
ANGLES ± 30° SURFACE QUALITY IN  MICROINCHES	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES				
	(CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0
	MEDIUM ☐	± .004	± .008	± .012	± .016	± .024
	PREFERRED ☐	± .012	± .018	± .025	± .04	± .083

THIRD ANGLE PROJECTION		DRN <i>John R. Galla</i>		6ADL 79		FIRST USED ON		BAIL-A		digital	
		CHK'D <i>P. G. Galla</i>		4/11/79		TITLE FAN POWER HARNESS					
REMOVE BURRS AND BREAK SHARP CORNERS		ENG. <i>P. G. Galla</i>		4/14/79							
DO NOT SCALE DWG		PROJ. ENG. <i>P. G. Galla</i>		6-29-79							
MATERIAL		NEXT HIGHER ASSY.		SIZE		CODE		NUMBER		REV.	
FINISH		E-AD-7016391-0-0		C		IA		7016901-0-0		A	
		SCALE NONE		DIST.							
		SHEET 1 OF 1									

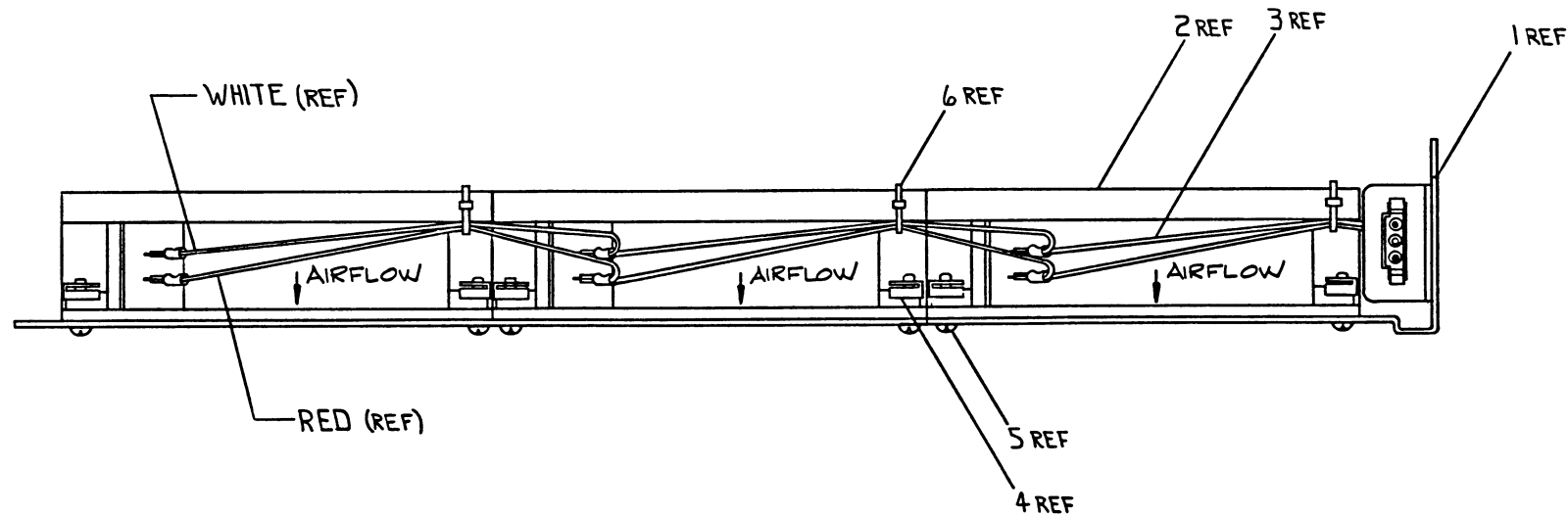
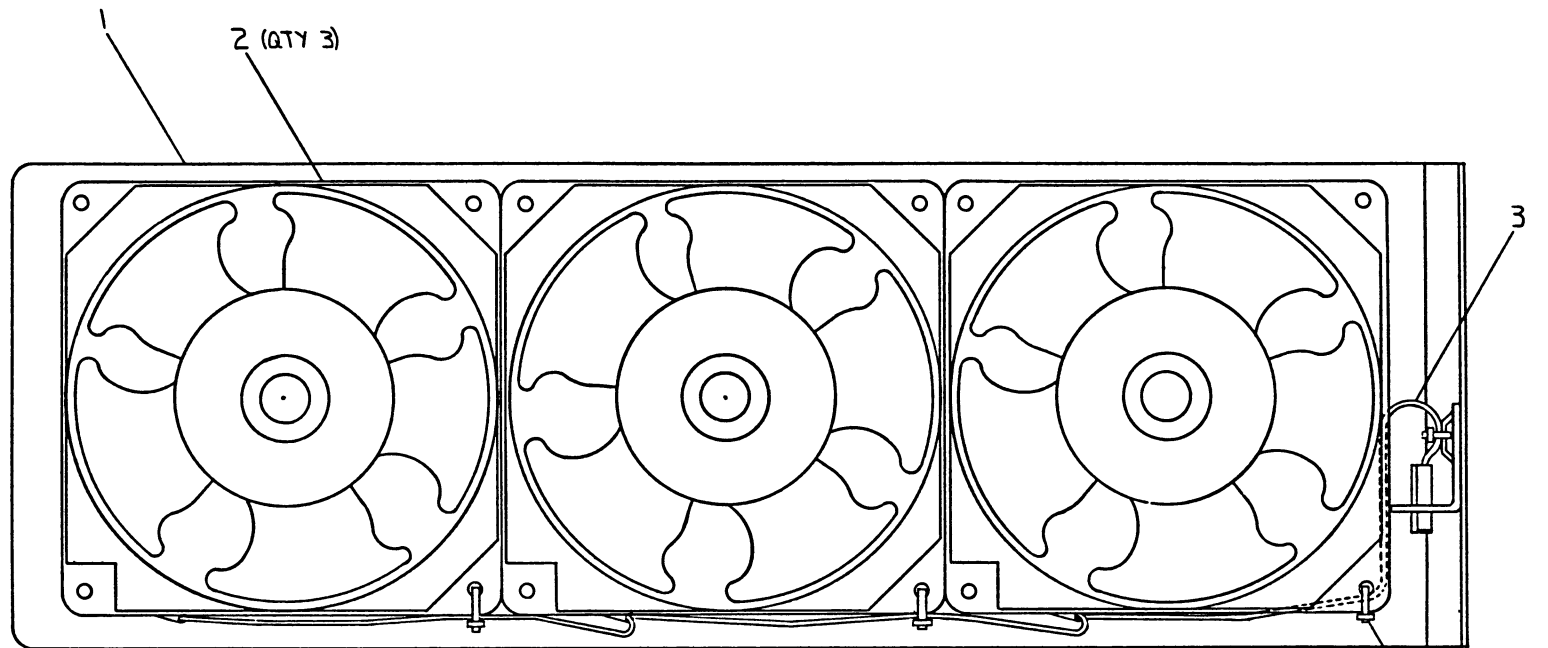
136

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION"



5 (QTY 12)

4 (QTY 12)



4	TIE WRAP	9007031-00	6
12	SCREW TRUSS HD 6-32x.62	9006025-03	5
12	CLIP FAN	9009165-03	4
1	CABLE FAN ASSEMBLY	D-1A-7016392-0-0	3
3	FAN, 35V, 70 HZ, SQ WAVE	1216563-00	2
1	FAN TRAY & BRKT ASSY	D-AD-7016376-0-0	1

DESCRIPTION		DWG./PART NO.		ITEM NO.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						
ANGLES 30° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE IN INCHES				
		OVER 0 TO 0.3	OVER 0.3 TO 1.3	OVER 1.3 TO 3.0	OVER 3.0 TO 12.0	OVER 12.0 TO 48.0
SURFACE QUALITY	MEDIUM	2.004	2.008	2.012	2.016	2.024
	PREFERRED	2.012	2.016	2.020	2.024	2.032
MICROINCHES		2.012	2.016	2.020	2.024	2.032

THIRD ANGLE PROJECTION	DRN. <i>[Signature]</i> 1/15/78	FIRST USED ON	BA11-A
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>[Signature]</i> 1/13/78	TITLE	FAN TRAY ASSEMBLY
DO NOT SCALE DWG	ENG. <i>[Signature]</i> 1/11/78	SIZE	D
MATERIAL	PROJ. ENG. <i>[Signature]</i> 2/11/78	CODE	AD
FINISH	PROD. <i>[Signature]</i> 2/11/78	NUMBER	7016472-0-0
		REV.	B
		SHEET	1 OF 1
		DIST.	

REV.	CHANGE NO.	DATE	BY	APP.
A	1	1/15/78	W. R. HALL	
B	2	2/11/78	W. R. HALL	
C	3	2/11/78	W. R. HALL	
D	4	2/11/78	W. R. HALL	

FIELD MAINTENANCE PRINT SET

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION."

TABLE OF CONTENTS

H7140-0-1	UNIT ASSY
E-UA-H7140-0-0	UNIT ASSY
B-PL-H7140-0-0	UNIT ASSY
E-AD-7016476-0-0	INPUT ASSY
B-PL-7016476-0-0	INPUT ASSY
E-AD-7016054-0-0	OUTPUT PANEL ASSY
B-PL-7016054-0-0	OUTPUT
E-AD-7016048-0-0	RELAY ASSY
B-PL-7016048-0-0	RELAY ASSY
D-AD-7016478-0-0	POWER CORD ASSY
D-AD-7016907-0-0	LINE CORD ASSY
D-UA-5413663-0-0	SNUBBER BOARD
D-CS-5413663-0-0	SNUBBER BOARD
E-PL-5413663-0-0	SNUBBER BOARD
E-UA-5413615-0-0	MOTHER BOARD H7140
D-CS-5413615-0-0	MOTHER BOARD H7140
B-PL-5413615-0-0	MOTHER BOARD
D-UA-5413605-0-0	BIAS & INTERFACE BOARD
D-CS-5413605-0-0	BIAS & INTERFACE BOARD
B-PL-5413605-0-0	BIAS & INTERFACE BOARD
D-UA-5413601-0-0	LOGIC INVERTER CONTROL BOARD
D-CS-5413601-0-0	LOGIC INVERTER CONTROL BOARD
B-PL-5413601-0-0	LOGIC INVERTER CONTROL BOARD
D-UA-5413599-0-0	LOGIC INVERTER BOARD
D-CS-5413599-0-0	LOGIC INVERTER BOARD
B-PL-5413599-0-0	LOGIC INVERTER BOARD
D-UA-5413607-0-0	MEM REG. BOARD
D-CS-5413607-0-0	MEM REG. BOARD
B-PL-5413607-0-0	MEM REG. BOARD
D-UA-5413603-0-0	MEM INV. BOARD
D-CS-5413603-0-0	MEM INV. BOARD
B-PL-5413603-0-0	MEM INV. BOARD
D-AD-7016050-0-0	MEM VOLTAGE ASSY
D-AD-7016057-0-0	+5V INVERTER ASSY

[illegible]

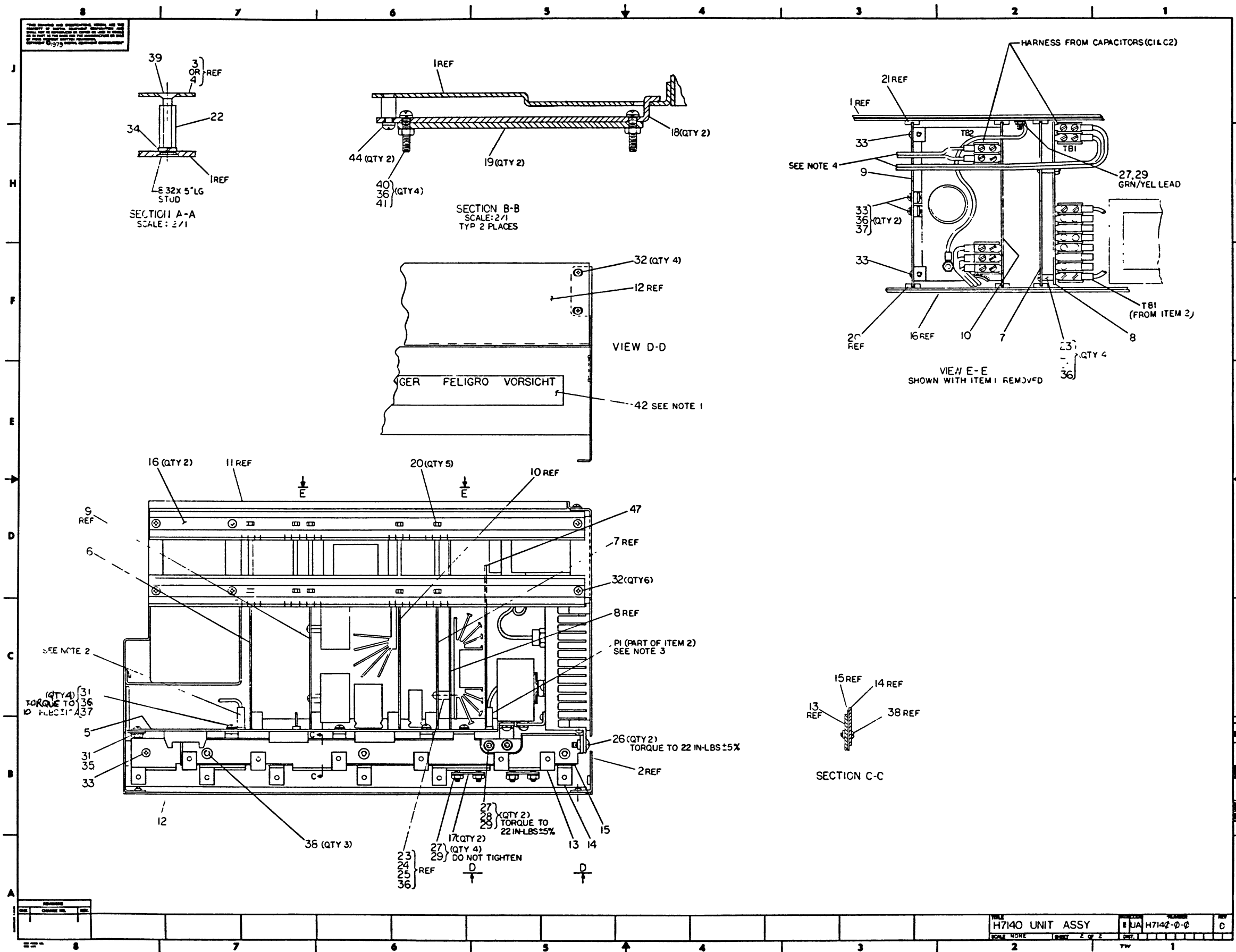
**Field Maintenance
Print Set**

H7140 UNIT ASSY

MP00837

**Digital Equipment
Corporation**

REVISIONS	REV		USED ON OPTION/MODEL		DRN.	DATE	digital TITLE: UNIT ASSEMBLY									
	CHG. NO.			H7140	M. CARROLL	10/24/79										
					CHK'D	DATE										
					<i>[Signature]</i>	<i>12-1-79</i>										
	DATE				PROJ. ENG.	DATE	SIZE B CODE TC NUMBER H7140-0-1 REV. *									
					<i>[Signature]</i>	<i>12/3/79</i>										
					FIELD SERV.	DATE										
					<i>W. Macy</i>	<i>11/16/79</i>										
					<i>P.K.</i>											
SHEET 1 OF 1																



DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

MADE BY	A. MOWRY
DATE	8/15/79

CHECKED
DATE 11/17/79

SECTION

ENG *K. ...*
DATE 8/17/79

PROD DATE	F. MUNIZ / B	8/17/79
--------------	--------------	---------

ISSUED SECTION	
----------------	--

ITEM NO.	DRAWING NO.
----------	-------------

PART NO.

DESCRIPTION

H7140-AA

H7140-AB

H7140-BA

H7140-BB

REF DESIGNATION

1	E-AD-7016476-0-0	7016476-00	INPUT ASSY
2	E-AD-7016054-0-0	7016054-00	OUTPUT PANEL ASSY
3	D-AD-7016478-0-0	7016478-00	A.C. POWER CORD ASSY (120V)
4	D-AD-7016478-1-0	7016478-01	A.C. POWER CORD ASSY (220V - 240V)
5	E-UA-5413615-00	5413615-00	MOTHER BOARD, H7140
6	D-UA-5413605-00	5413605-00	BIAS & INTERFACE BOARD
7	D-UA-5413601-00	5413601-00	LOGIC INVERTER CONTROL BOARD
8	D-UA-5413599-00	5413599-00	LOGIC INVERTER BOARD
9	D-UA-5413607-00	5413607-00	MEMORY REGULATOR BOARD
10	D-UA-5413603-00	5413603-00	MEMORY INVERTER BOARD
11	D-MD-7422396-0-0	7422396-00	COVER, TOP
12	D-MD-7421436-0-0	7421436-00	COVER, PWR SUPPLY, BOTTOM
13	D-MD-7422042-0-0	7422042-00	BUS, +5V
14	D-MD-7422041-0-0	7422041-00	BUS BAR, RETURN
15	D-MD-7422044-0-0	7422044-00	INSULATOR, BUS
16	D-MD-7421437-0-0	7421437-00	BRACKET, CARD GUIDE MTG
17	D-MD-7422731-0-0	7422731-00	BRACKET, MOUNTING
18	C-MD-7423066-0-0	7423066-00	BRACKET, CABLE ROUTING
19	B-MD-7423067-0-0	7423067-00	CLAMP, CABLE
20		1212405-11	CARD GUIDE, NYLON (SHORT)
21		1212405-04	CARD GUIDE, NYLON (LONG)
22		9009246-00	SPACER HEX #8-32 X .75 LG
23		9006844-00	SPACER, HEX AL #6-32 X .375 LC
24		9007794-01	SCR, PAN, PHIL #6-32 X 1 1/16 LC
25		9008957-00	NUT, HEX #6-32 X 1/4 AF
26		9010119-00	SCR PHL TRUSS HD #10-32 X .50 LG
27		9009005-00	NUT, HEX #10-32

1	1	1	1
1	1	1	1
1	-	1	-
-	1	-	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	0	0
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
1	1	1	1
2	2	2	2
2	2	2	2
2	2	2	2
2	2	2	2
5	5	5	5
5	5	5	5
1	1	1	1
4	4	4	4
4	4	4	4
4	4	4	4
2	2	2	2
7	7	7	7

E.C.O. NO.	H7140 - TTW001	H7140 - TTW002	H7140 - TTW003	H7140 TTW004
------------	-------------------	-------------------	-------------------	-----------------

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"

TITLE

H7140 UNIT ASSEMBLY

ASSY NO.

E-UA-H7140-00

	SIZE
--	-------------

B

CODE

PL

NUMBER

H7140-0-0

REV.

D

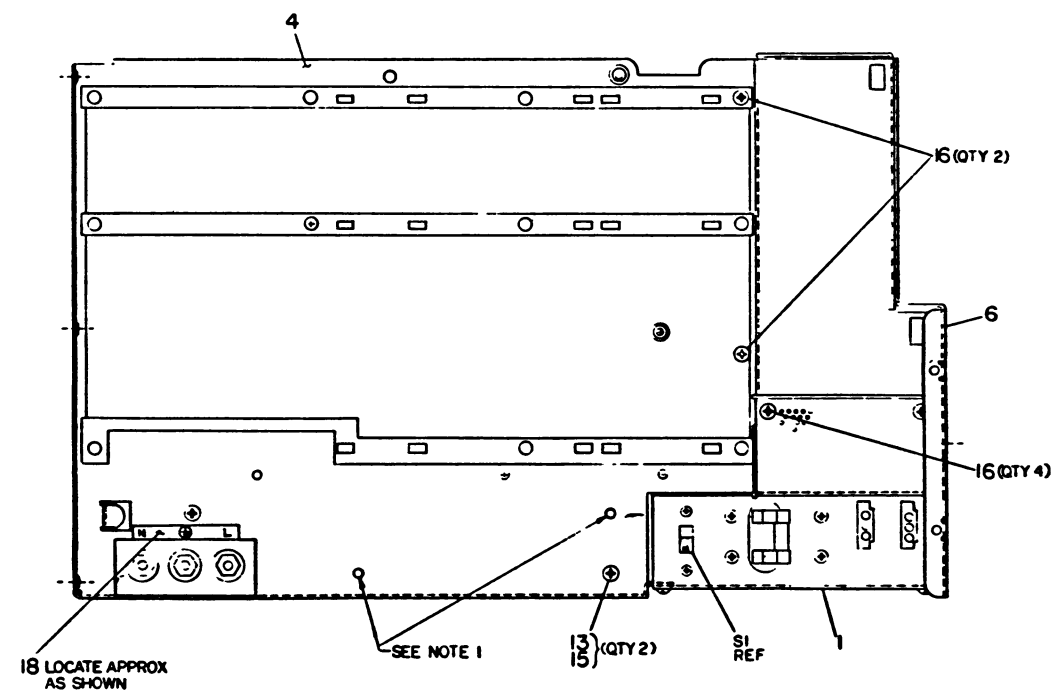
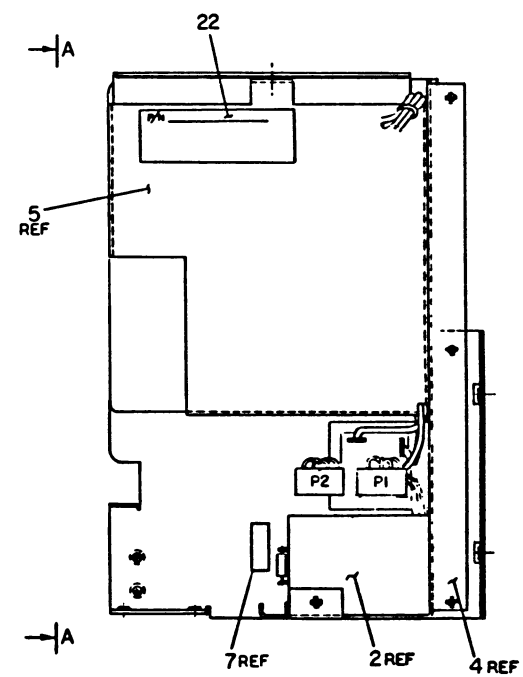
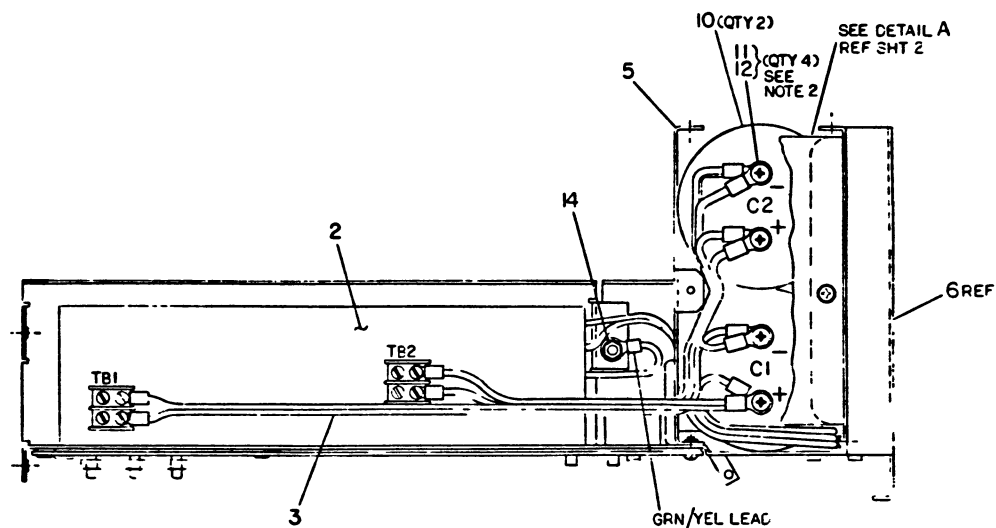
SHEET 1 OF 2

INSERTION PARTS LIST DATA BASE REV

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:				
MADE BY A. MOWRY DATE 8/15/79		CHECKED <i>[Signature]</i> DATE 8/17/79		SECTION		H7140-AA	H7140-AB	H7140-BA	H7140-BB											
ENG <i>R. J. W.</i> DATE 8/17/79		PROD F. Muniz / <i>[Signature]</i> 8/17/79		ISSUED SECTION																
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION																REF DESIGNATION	
28	D-UA-5413607-00	9006664-00	WASHER, FLAT #10	2	2	2	2													
29		9007906-00	WASHER, SPLIT, LOCK #10	7	7	7	7													
30		9006037-01	SCR PHL PAN HD #8-32 X .38 LG	2	2	2	2													
31		9006022-01	SCR PHL PAN HD #6-32 X .38 LG	5	5	5	5													
32		9009796-00	SCR PHL FLAT HD #6-32 X ¼ LG SELF TAP	14	14	14	14													
33		9009798-00	SCR PHL PAN HD #6-32 X 5/16 LG SELF TAP	11	11	11	11													
34		9006690-00	WASHER, SPLIT, LOCK #8	3	3	3	3													
35		9009243-00	NUT, KEP #6-32	1	1	1	1													
36		9007801-00	WASHER, SPLIT, LOCK #6	14	14	14	14													
37		9006656-00	WASHER, FLAT #6	6	6	6	6													
38		9008212-00	SCR NYLON SLTD PAN HD #6-32 X 7/16 LG	3	3	3	3													
39		9006039-02	SCR PHL FLAT HD #8-32 X .5 LG	1	1	1	1													
40		9009537-01	SCR PHL PAN HD #6-32 X .62 SELF TAP	4	4	4	4													
41		9008957-00	NUT, HEX #6-32	4	4	4	4													
42		3615037-02	LABEL, "DANGER HIGH CURRENT"	1	1	1	1													
43		3616930-00	LABEL, DANGER STORED HIGH VOLTAGE	1	1	1	1													
44		9009701-00	SCREW, SEMS, PHL PAN HD #6-32 X 5/16 LG	4	4	4	4													
45		9009087-00	FOAM, TAPE, SINGLE SIDED 1/8 X 2.10	2.25	2.25	2.25	2.25													
46		D-UA-5413607-00	5413607-YA	MEMORY REGULATOR BOARD	0	0	1	1												
47		B-MD-7424586-0-0	7424586-00	INSULATOR, HEATSINK	1	1	1	1												
E.C.O. NO.																				
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"			TITLE H7140 UNIT ASSEMBLY		ASSY NO. E-UA-H7140-00		SIZE B	CODE PL	NUMBER H7140-0-0		REV. D									
					SHEET 2 OF 2		INSERTION PARTS LIST DATA BASE REV													

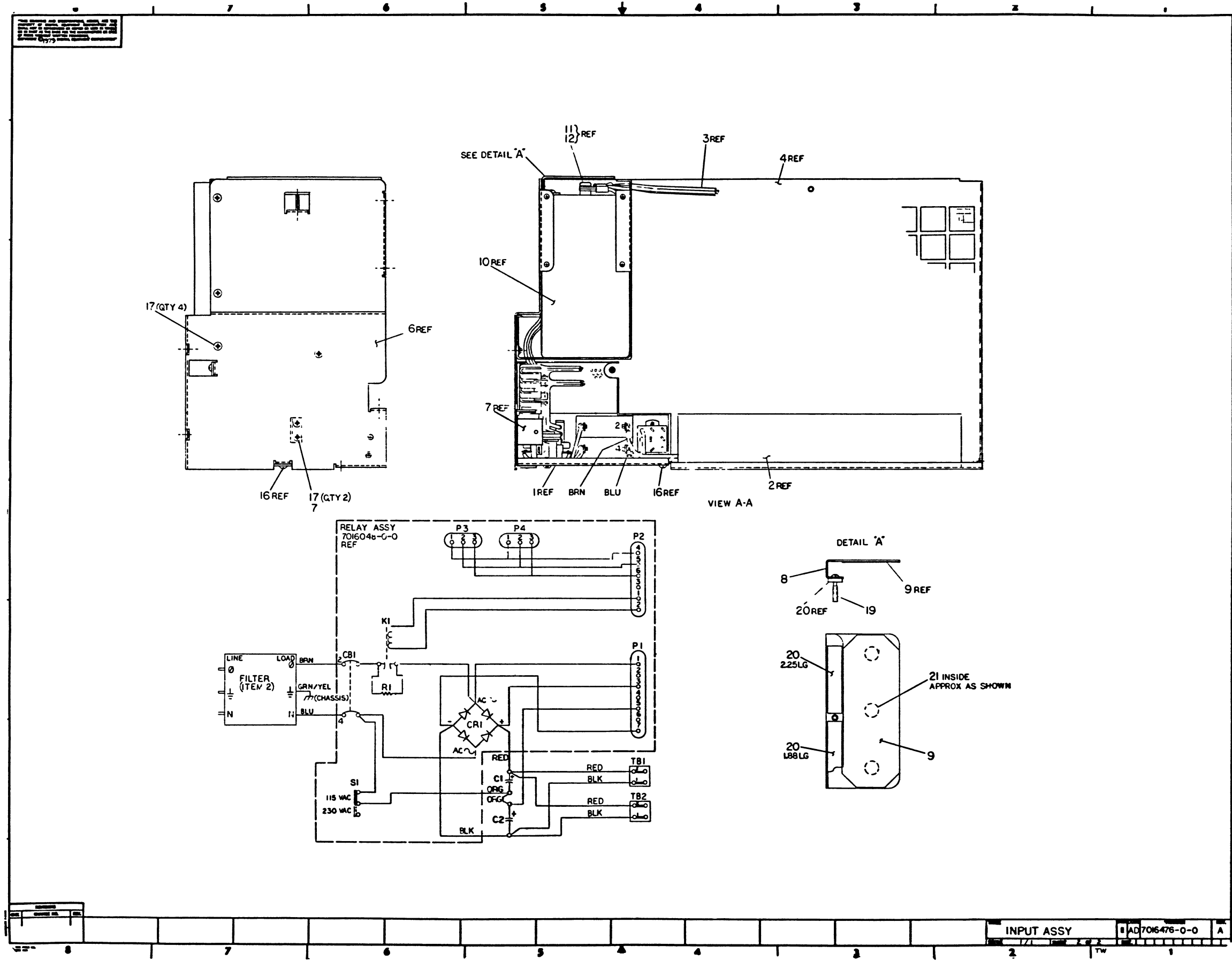
1973

NOTE
1. DO NOT INSTALL HARDWARE IN THESE HOLES.
2. TORQUE TO 16 IN-LB $\pm 10\%$.



CAUTION: OFF SHEET PARTS LIST
SEE B-PL-7016476-0-0

PARTS LIST		QUANTITY		DESCRIPTION		REVISION	
1	INPUT ASSY	1		INPUT ASSY		1	
2	...	...		...		...	
3	...	...		...		...	
4	...	...		...		...	
5	...	...		...		...	
6	...	...		...		...	
7	...	...		...		...	
8	...	...		...		...	
9	...	...		...		...	
10	...	...		...		...	
11	...	...		...		...	
12	...	...		...		...	
13	...	...		...		...	
14	...	...		...		...	
15	...	...		...		...	
16	...	...		...		...	
17	...	...		...		...	
18	...	...		...		...	
19	...	...		...		...	
20	...	...		...		...	
21	...	...		...		...	
22	...	...		...		...	
23	...	...		...		...	
24	...	...		...		...	
25	...	...		...		...	
26	...	...		...		...	
27	...	...		...		...	
28	...	...		...		...	
29	...	...		...		...	
30	...	...		...		...	
31	...	...		...		...	
32	...	...		...		...	
33	...	...		...		...	
34	...	...		...		...	
35	...	...		...		...	
36	...	...		...		...	
37	...	...		...		...	
38	...	...		...		...	
39	...	...		...		...	
40	...	...		...		...	
41	...	...		...		...	
42	...	...		...		...	
43	...	...		...		...	
44	...	...		...		...	
45	...	...		...		...	
46	...	...		...		...	
47	...	...		...		...	
48	...	...		...		...	
49	...	...		...		...	
50	...	...		...		...	
51	...	...		...		...	
52	...	...		...		...	
53	...	...		...		...	
54	...	...		...		...	
55	...	...		...		...	
56	...	...		...		...	
57	...	...		...		...	
58	...	...		...		...	
59	...	...		...		...	
60	...	...		...		...	
61	...	...		...		...	
62	...	...		...		...	
63	...	...		...		...	
64	...	...		...		...	
65	...	...		...		...	
66	...	...		...		...	
67	...	...		...		...	
68	...	...		...		...	
69	...	...		...		...	
70	...	...		...		...	
71	...	...		...		...	
72	...	...		...		...	
73	...	...		...		...	
74	...	...		...		...	
75	...	...		...		...	
76	...	...		...		...	
77	...	...		...		...	
78	...	...		...		...	
79	...	...		...		...	
80	...	...		...		...	
81	...	...		...		...	
82	...	...		...		...	
83	...	...		...		...	
84	...	...		...		...	
85	...	...		...		...	
86	...	...		...		...	
87	...	...		...		...	
88	...	...		...		...	
89	...	...		...		...	
90	...	...		...		...	
91	...	...		...		...	
92	...	...		...		...	
93	...	...		...		...	
94	...	...		...		...	
95	...	...		...		...	
96	...	...		...		...	
97	...	...		...		...	
98	...	...		...		...	
99	...	...		...		...	
100	...	...		...		...	



DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:							
MADE BY DATE		A. MOWRY 04-09-79		CHECKED DATE		SECTION																	
ENG DATE		K. G. G. G. 8-10-79		PROD DATE		F. M. M. M. 8/10/79		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION						
1	E-AD-7016048-0-0	7016048-00	RELAY ASSY	1																			
2	C-IA-7016898-0-0	7016898-00	FILTER, RFI, ASSY	1																			
3	D-IA-7016477-0-0	7016477-00	HAPNESS, 300V	1																			
4	D-IA-7016926-0-0	7016926-00	CHASSIS ASSY, REAR	1																			
5	D-MD-7421433-0-0	7421433-00	BRACKET, CAPACITOR	1																			
6	D-MD-7421438-0-0	7421438-00	PANEL, SIDE	1																			
7	B-MD-7423546-0-0	7423546-00	BLOCK, MTG	1																			
8	B-MD-7422382-0-0	7422382-00	CLAMP, CAPACITOR	1																			
9	B-MD-7422401-0-0	7422401-00	INSULATOR, CAPACITOR	1																			
10		1014336-00	CAPACITOR, 4500 uF/200 VDC, E	2																			
11		9006072-01	SCR, PHL PAN HD SS #10-32 x .438 LG	4																			
12		9007906-00	WASHER, SPLIT, LOCK #10	4																			
13		9006037-01	SCR, PHL PAN HD SS #8-32 x .375 LG	2																			
14		9006565-00	NUT, KEP CS/CAD #10-32 x 3/8 AF	1																			
15		9006690-00	WASHER, SPLIT, LOCK #8	2																			
16		9009708-00	SCREW, PHL PAN HD SELF TAP #6-32 x .312	6																			
17		9009796-00	SCR, PHL FLAT HD SELF TAP #6-32 x .250	6																			
18		3617016-00	LABEL, N-GROUND-L	1																			
19		9010133-00	SCREW, PHILL PAN HD #8-32 x .88 LG	1																			
20		9009342-00	FOAM TAPE ADH. BACK .50 x .125	.35	FT																		
21		9009157-00	ADHESIVE, PERMABOND #101	A/R																			
22		9009255-00	LABEL, POWER SUPPLY	1																			

E.C.O. NO.
H7140-
TW001

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"

TITLE
INPUT ASSY

ASSY NO.
E-AD-7016476-00
SHEET 1 OF 1

SIZE
B
CODE
PL
NUMBER
7016476-0-0
INSERTION PARTS LIST DATA BASE REV

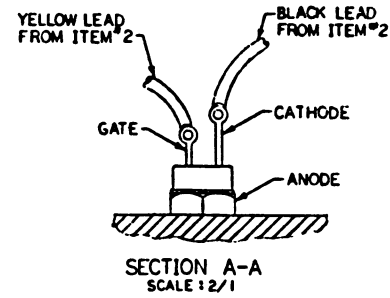
REV.
A

DRB 125

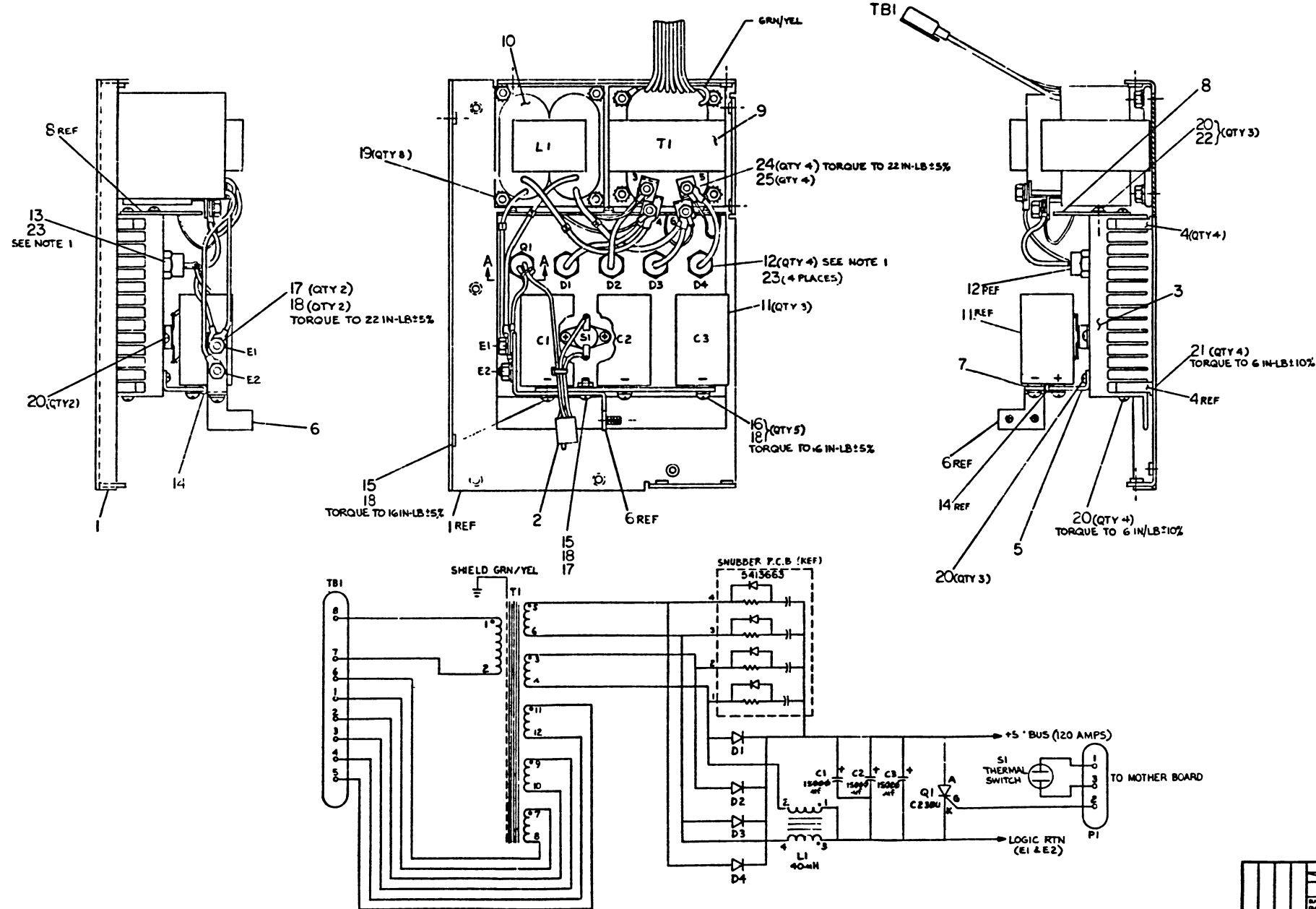
TW

145

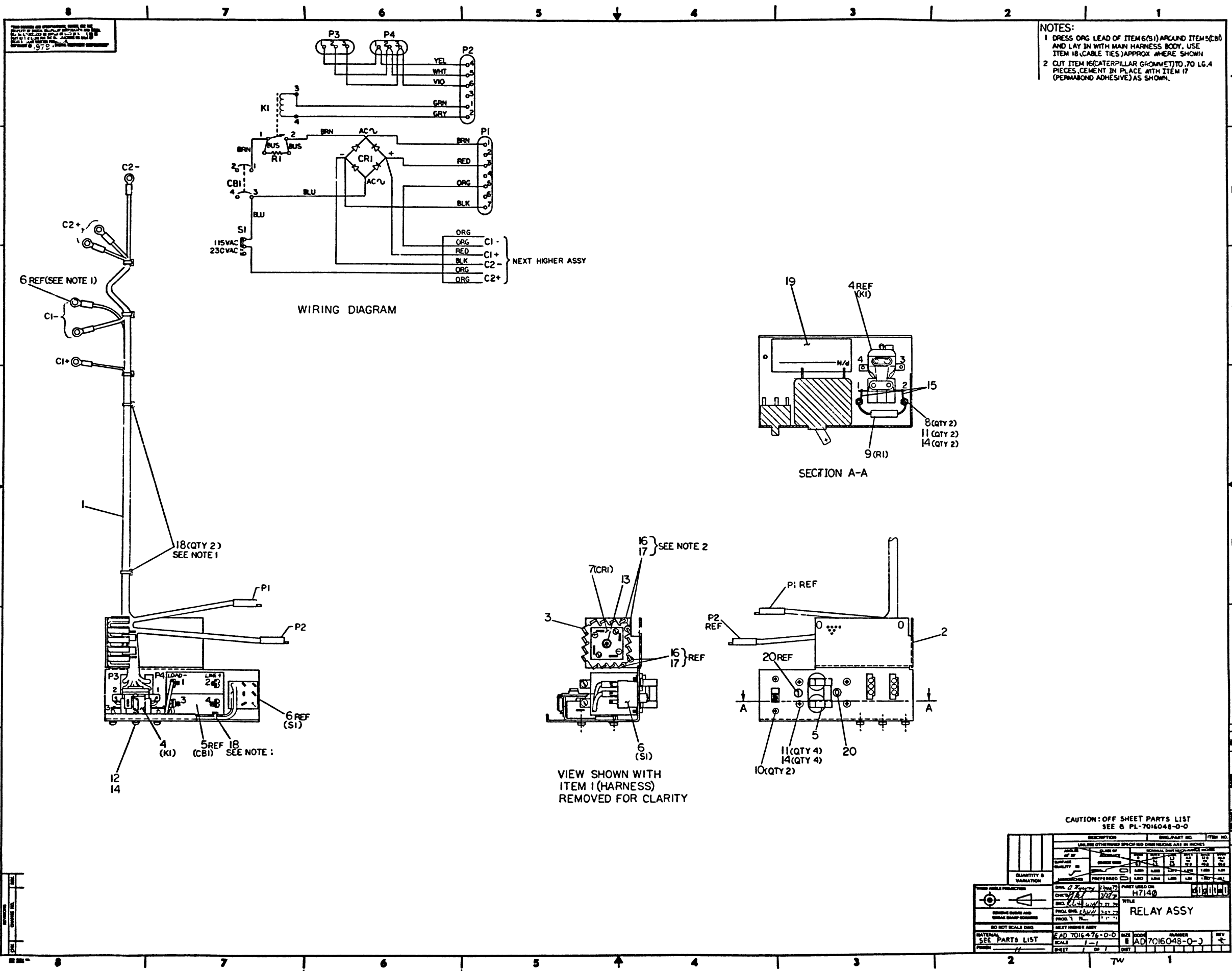
INTERCONNECTION TABLE		REMARKS
FROM	TO	
D1		
L1-2	T1-4	
WIRE #1 ITEM 8		
D2	T1-3	
WIRE #2 ITEM 8		
D3		
L1-4	T1-6	
WIRE #3 ITEM 8		
D4	T1-5	
WIRE #4 ITEM 8		
T1-CRN/YEL	MTD STUD	
YEL LEAD ITEM 2	Q1-GATE	
BLK LEAD ITEM 2	E1	
Q1-CATHODE		
L1-3		
L1-1	E2	



NOTES:
1. ITEMS 12 & 13 (D1-D4 & Q1) MUST SEAT FLUSH ON HEATSINK (ITEM 3). USE "SM 25" DIAMETER (MAX) UNDER ITEMS 12 & 13. TORQUE TO 25 IN-LB ± .25 IN. UNTIL FULLY SEATED.



DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION										NOTES:							
MADE BY DATE		A. Mowry 07/02/79		CHECKED DATE		SECTION		7016054-00	REF DESIGNATION	REF DESIGNATION	REF DESIGNATION	REF DESIGNATION									
ENG DATE		R. L. C. + J. L. C. / 7-26-79		PROD DATE		Manuel Hidalgo (R.J.W.) 7-31-79															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION																	REF DESIGNATION	
1	D-MD-7421434-0-0	7421434-00	CHASSIS, SIDE	1																	
2	D-IA-7016511-0-0	7016511-00	OVERTEMP CABLE & SWITCH ASSY	1																	
3		1216648-00	HEAT SINK	1																	
4		1216965-00	MTG BLOCK, INSULATED	4																	
5	B-MD-7422038-0-0	7422038-00	CAP., BRKT POS.	1																	
6	B-MD-7422037-0-0	7422037-00	BRKT, RETURN BUS	1																	
7	B-MD-7422036-0-0	7422036-00	BRKT, CAP NEG.	1																	
8	D-UA-5413663-0-0	5413663-00	SNUBBER P.C.B.	1																	
9	C-IA-7016056-0-0	7016056-00	XFORMER, PWR, HIGH FREQ ASSY	1	T1																
10	C-IA-7016055-0-0	7016055-00	CHOKE, OUTPUT DOUBLE SECTION ASSY	1	L1																
11		1014338-00	CAPACITOR, 15,000 MFD 7.5V $\pm$ 20%	3	C1	C2	C3														
12		1114197-00	RECTIFIER PLU=45 I=60	4	D1	D2	D3	D4													
13		1109978-00	RECTIFIER, C230V SCR @ 25V I = 25A	1	Q1																
14		9007036-00	GROMMET, CATERPILLAR	.33	FT																
15		9006071-01	SCR PHL PAN HD #10-32 X .38	2																	
16		9006070-01	SCR PHL PAN HD #10-32 X .31	5																	
17		9009005-00	NUT, HEX #10-32 X 1/4 AF	3																	
18		9007906-00	WASHER, SPLIT LOCK #10	9																	
19		9006563-00	NUT, KEP #8-32 X 11/32 AF	8																	
20		9009708-00	SCR, PHL PAN HD SELF TAP #6-32 X .31	12																	
21		9009796-00	SCR PHL (FLT) HD SELF TAP #6-32 X .25	4																	
22		9009882-00	WASHER, LOCK INT TOOTH #6	3																	
23		9008268-00	COMPOUND, THERMAL JOINT	A/R																	
24		9006561-00	NUT, HEX #8-32 x 5/16 AF	4																	
25		9006690-00	WASHER, LOCK, S.S. #8	4																	
E.C.O. NO.																					
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT ©1979 DIGITAL EQUIPMENT CORPORATION"				TITLE OUTPUT PANEL ASSEMBLY				ASSY NO. E-AD-7016054-0-0				SIZE B		CODE PL		NUMBER 7016054-0-0		REV. *			
				SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV													



CAUTION: OFF SHEET PARTS LIST
SEE B PL-7016048-0-0

QUANTITY & VARIATION	DESCRIPTION	QTY	REV	DATE	BY	CHKD	APP'D	ITEM NO.
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0
1	RELAY ASSY	1	1	7/22/72	WJ	WJ	WJ	7016048-0-0

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:					
MADE BY DATE		CHECKED DATE		SECTION																	
ENG DATE		PROD DATE		ISSUED SECTION																REF DESIGNATION	
ITEM NO.		DRAWING NO.	PART NO.	DESCRIPTION																	
1		D-IA-7016049-0-0	7016049-00	HARNESS, A.C. INPUT	1																
2		D-MD-7422040-0-0	7422040-00	BRACKET, INPUT	1																
3			1216688-00	HEAT SINK	1																
4			1216206-00	RELAY, PWR 12V COIL. SPST 30A	1																
5			1212124-01	CKT BKR, 2 P SERIES TRIP, 20A 240V	1																
6		C-IA-7016923-0-0	7016923-00	SWITCH ASSY	1																
7			1116216-00	BRIDGE RECTIFIER IF = 30A, 600V VR	1																
8			9006966-00	TERMINAL, P.C.B. 2 POS INS, TURRET	2																
9			1314848-00	RESISTOR 3 OHM 5% 7 WATT	1																
10			9000039-06	SCR, PHIL, FLAT HD #4-40 x .187	2																
11			9006020-01	SCR, PHIL, PAN HD #6-32 x .250	6																
12			9006021-01	SCR. PHIL, PAN HD #6-32 x .312	1																
13			9009243-00	NUT, KEP #6-32 x 5/16 AF S.S.	1																
14			9007801-00	WASHER, LOCK SS #6	7																
15			9107560-03	WIRE BUSS #18 AWG	.21	FT															
16			9007036-00	GROMMET, CATERPILLAR	.25	FT															
17			9009157-00	ADHESIVE, PERMABOND	A/R																
18			9007031-00	TIE, CABLE SST1-M	3																
19			9009255-00	LABEL, POWER SUPPLY	1																
20			3615680-00	LABEL, SWITCH POSITION, ADH BACK	1																
E.C.O. NO.																					
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"				TITLE RELAY ASSY				ASSY NO. E-AD-7016048-0-0 SHEET 1 OF 1				SIZE B CODE PL		NUMBER 7016048-0-0		REV. *					

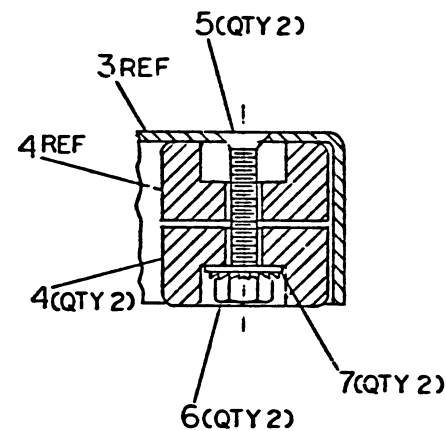
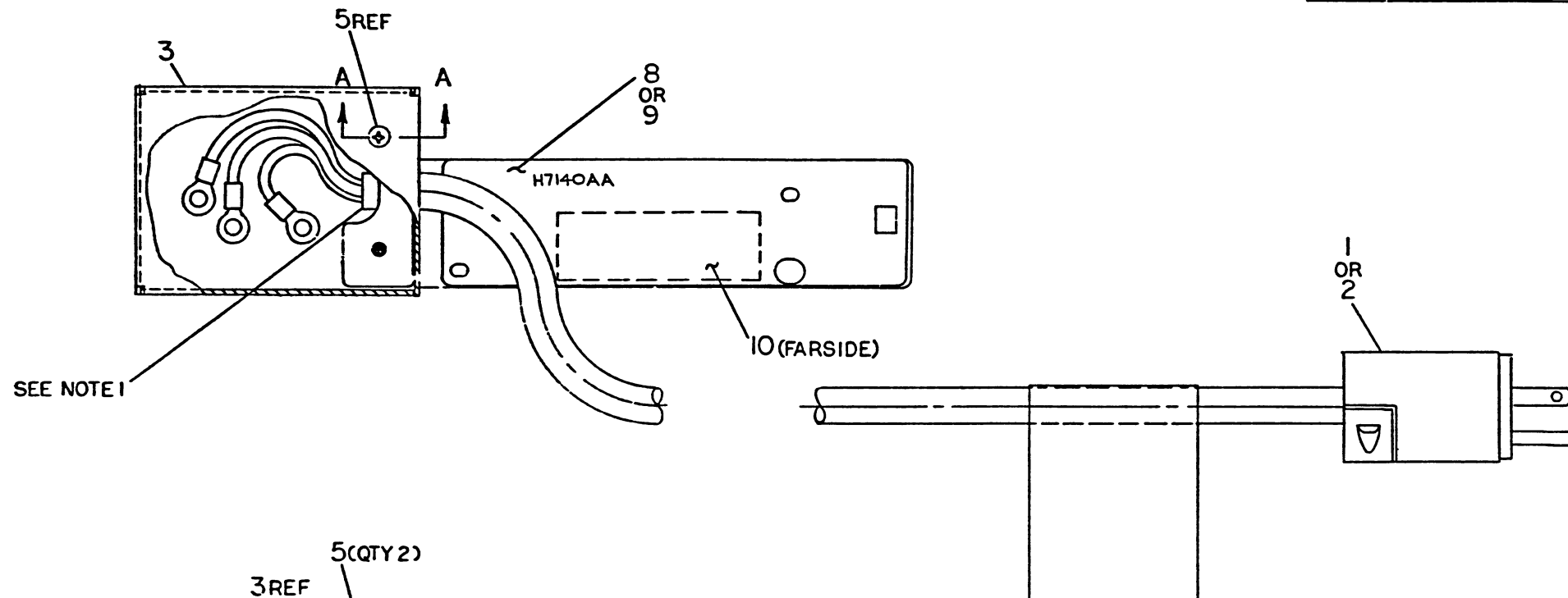
149

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION

PARTS LEGEND	
PART NO.	VARIATION
7016478-00	120V (H714CAA)
7016478-01	220V-240V (H714OAB)

NOTES:

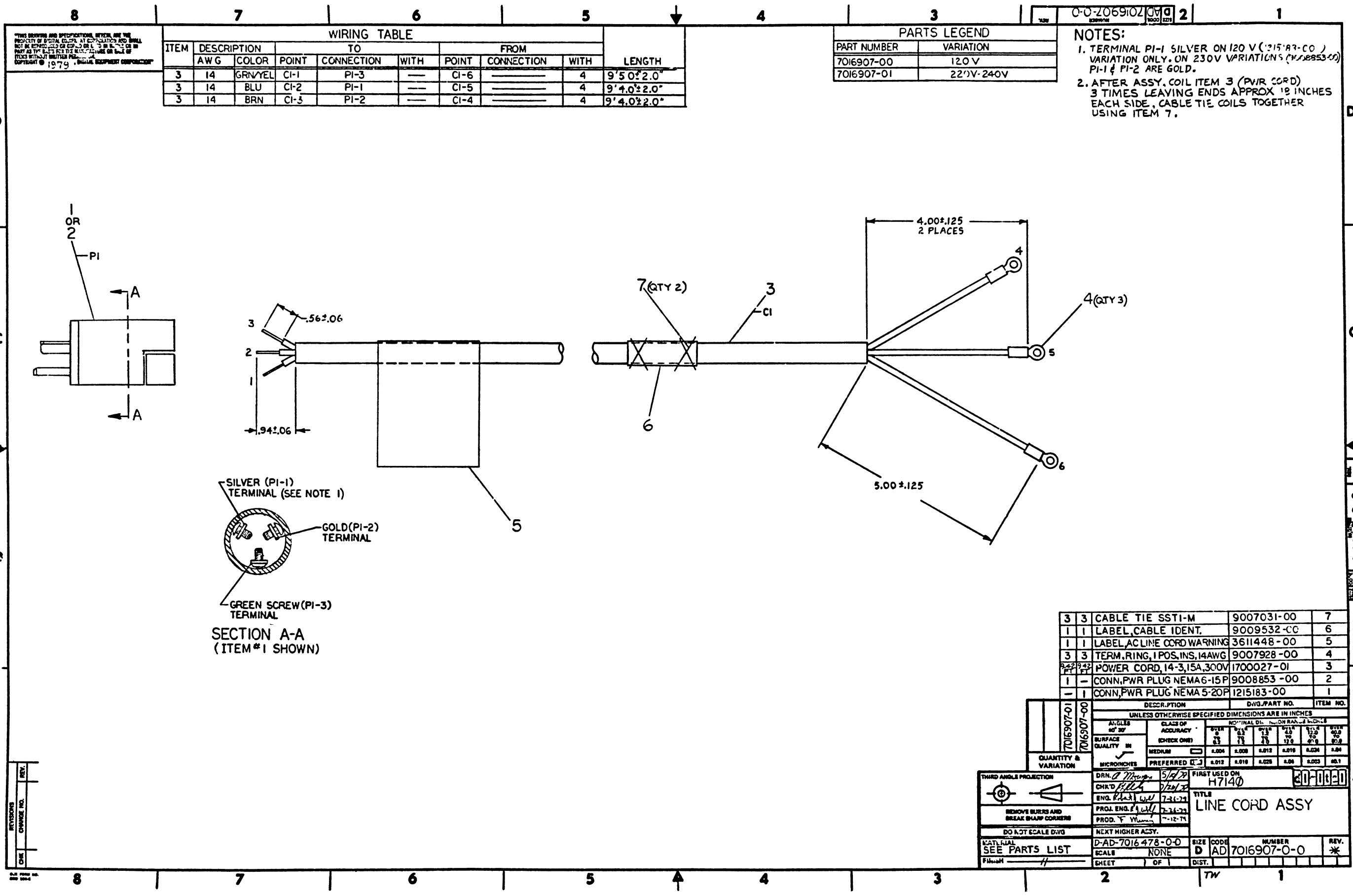
1. OUTSIDE JACKET OF ITEM 1 OR 2 (LINE CORD) TO EXTEND APPROX .25 IN. BEYOND CLAMPING AREA OF ITEM 2 (CABLE CLAMP).



SECTION A-A
SCALE: 2/1

QTY	DESCRIPTION	DWG. PART NO.	ITEM NO.
1	LABEL, PWR SUPPLY	9009255-00	10
1	LABEL, H714OAB (220-240V)	3616977-01	9
1	LABEL, H714OAA (120V)	3616977-00	8
2	WASHER, FLAT, 8-32X.187	9006660-00	7
2	NUT, KEP #8-32X.172AF	9006563-00	6
2	SCR, FLAT, PHIL #8-32X1.7LG	9006042-02	5
2	CLAMP, CABLE	1215566-00	4
1	COVER, A.C.	D-MD-74220480-0	3
1	CORD ASSY, LINE (220-240V)	D-1A-7016907-1-0	2
1	CORD ASSY, LINE (120V)	D-1A-7016907-0-0	1

7016478-01	7016478-00	DESCRIPTION	DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
ANGLES OF 90°				
CLASS OF SURFACE FINISH (CHECK ONE)				
PREFERRED ☐ 1.004 1.008 1.012 1.016 1.020 1.024 1.028 1.032 1.036 1.040 1.044 1.048 1.052 1.056 1.060 1.064 1.068 1.072 1.076 1.080 1.084 1.088 1.092 1.096 1.100 1.104 1.108 1.112 1.116 1.120 1.124 1.128 1.132 1.136 1.140 1.144 1.148 1.152 1.156 1.160 1.164 1.168 1.172 1.176 1.180 1.184 1.188 1.192 1.196 1.200 1.204 1.208 1.212 1.216 1.220 1.224 1.228 1.232 1.236 1.240 1.244 1.248 1.252 1.256 1.260 1.264 1.268 1.272 1.276 1.280 1.284 1.288 1.292 1.296 1.300 1.304 1.308 1.312 1.316 1.320 1.324 1.328 1.332 1.336 1.340 1.344 1.348 1.352 1.356 1.360 1.364 1.368 1.372 1.376 1.380 1.384 1.388 1.392 1.396 1.400 1.404 1.408 1.412 1.416 1.420 1.424 1.428 1.432 1.436 1.440 1.444 1.448 1.452 1.456 1.460 1.464 1.468 1.472 1.476 1.480 1.484 1.488 1.492 1.496 1.500 1.504 1.508 1.512 1.516 1.520 1.524 1.528 1.532 1.536 1.540 1.544 1.548 1.552 1.556 1.560 1.564 1.568 1.572 1.576 1.580 1.584 1.588 1.592 1.596 1.600 1.604 1.608 1.612 1.616 1.620 1.624 1.628 1.632 1.636 1.640 1.644 1.648 1.652 1.656 1.660 1.664 1.668 1.672 1.676 1.680 1.684 1.688 1.692 1.696 1.700 1.704 1.708 1.712 1.716 1.720 1.724 1.728 1.732 1.736 1.740 1.744 1.748 1.752 1.756 1.760 1.764 1.768 1.772 1.776 1.780 1.784 1.788 1.792 1.796 1.800 1.804 1.808 1.812 1.816 1.820 1.824 1.828 1.832 1.836 1.840 1.844 1.848 1.852 1.856 1.860 1.864 1.868 1.872 1.876 1.880 1.884 1.888 1.892 1.896 1.900 1.904 1.908 1.912 1.916 1.920 1.924 1.928 1.932 1.936 1.940 1.944 1.948 1.952 1.956 1.960 1.964 1.968 1.972 1.976 1.980 1.984 1.988 1.992 1.996 2.000 2.004 2.008 2.012 2.016 2.020 2.024 2.028 2.032 2.036 2.040 2.044 2.048 2.052 2.056 2.060 2.064 2.068 2.072 2.076 2.080 2.084 2.088 2.092 2.096 2.100 2.104 2.108 2.112 2.116 2.120 2.124 2.128 2.132 2.136 2.140 2.144 2.148 2.152 2.156 2.160 2.164 2.168 2.172 2.176 2.180 2.184 2.188 2.192 2.196 2.200 2.204 2.208 2.212 2.216 2.220 2.224 2.228 2.232 2.236 2.240 2.244 2.248 2.252 2.256 2.260 2.264 2.268 2.272 2.276 2.280 2.284 2.288 2.292 2.296 2.300 2.304 2.308 2.312 2.316 2.320 2.324 2.328 2.332 2.336 2.340 2.344 2.348 2.352 2.356 2.360 2.364 2.368 2.372 2.376 2.380 2.384 2.388 2.392 2.396 2.400 2.404 2.408 2.412 2.416 2.420 2.424 2.428 2.432 2.436 2.440 2.444 2.448 2.452 2.456 2.460 2.464 2.468 2.472 2.476 2.480 2.484 2.488 2.492 2.496 2.500 2.504 2.508 2.512 2.516 2.520 2.524 2.528 2.532 2.536 2.540 2.544 2.548 2.552 2.556 2.560 2.564 2.568 2.572 2.576 2.580 2.584 2.588 2.592 2.596 2.600 2.604 2.608 2.612 2.616 2.620 2.624 2.628 2.632 2.636 2.640 2.644 2.648 2.652 2.656 2.660 2.664 2.668 2.672 2.676 2.680 2.684 2.688 2.692 2.696 2.700 2.704 2.708 2.712 2.716 2.720 2.724 2.728 2.732 2.736 2.740 2.744 2.748 2.752 2.756 2.760 2.764 2.768 2.772 2.776 2.780 2.784 2.788 2.792 2.796 2.800 2.804 2.808 2.812 2.816 2.820 2.824 2.828 2.832 2.836 2.840 2.844 2.848 2.852 2.856 2.860 2.864 2.868 2.872 2.876 2.880 2.884 2.888 2.892 2.896 2.900 2.904 2.908 2.912 2.916 2.920 2.924 2.928 2.932 2.936 2.940 2.944 2.948 2.952 2.956 2.960 2.964 2.968 2.972 2.976 2.980 2.984 2.988 2.992 2.996 3.000 3.004 3.008 3.012 3.016 3.020 3.024 3.028 3.032 3.036 3.040 3.044 3.048 3.052 3.056 3.060 3.064 3.068 3.072 3.076 3.080 3.084 3.088 3.092 3.096 3.100 3.104 3.108 3.112 3.116 3.120 3.124 3.128 3.132 3.136 3.140 3.144 3.148 3.152 3.156 3.160 3.164 3.168 3.172 3.176 3.180 3.184 3.188 3.192 3.196 3.200 3.204 3.208 3.212 3.216 3.220 3.224 3.228 3.232 3.236 3.240 3.244 3.248 3.252 3.256 3.260 3.264 3.268 3.272 3.276 3.280 3.284 3.288 3.292 3.296 3.300 3.304 3.308 3.312 3.316 3.320 3.324 3.328 3.332 3.336 3.340 3.344 3.348 3.352 3.356 3.360 3.364 3.368 3.372 3.376 3.380 3.384 3.388 3.392 3.396 3.400 3.404 3.408 3.412 3.416 3.420 3.424 3.428 3.432 3.436 3.440 3.444 3.448 3.452 3.456 3.460 3.464 3.468 3.472 3.476 3.480 3.484 3.488 3.492 3.496 3.500 3.504 3.508 3.512 3.516 3.520 3.524 3.528 3.532 3.536 3.540 3.544 3.548 3.552 3.556 3.560 3.564 3.568 3.572 3.576 3.580 3.584 3.588 3.592 3.596 3.600 3.604 3.608 3.612 3.616 3.620 3.624 3.628 3.632 3.636 3.640 3.644 3.648 3.652 3.656 3.660 3.664 3.668 3.672 3.676 3.680 3.684 3.688 3.692 3.696 3.700 3.704 3.708 3.712 3.716 3.720 3.724 3.728 3.732 3.736 3.740 3.744 3.748 3.752 3.756 3.760 3.764 3.768 3.772 3.776 3.780 3.784 3.788 3.792 3.796 3.800 3.804 3.808 3.812 3.816 3.820 3.824 3.828 3.832 3.836 3.840 3.844 3.848 3.852 3.856 3.860 3.864 3.868 3.872 3.876 3.880 3.884 3.888 3.892 3.896 3.900 3.904 3.908 3.912 3.916 3.920 3.924 3.928 3.932 3.936 3.940 3.944 3.948 3.952 3.956 3.960 3.964 3.968 3.972 3.976 3.980 3.984 3.988 3.992 3.996 4.000 4.004 4.008 4.012 4.016 4.020 4.024 4.028 4.032 4.036 4.040 4.044 4.048 4.052 4.056 4.060 4.064 4.068 4.072 4.076 4.080 4.084 4.088 4.092 4.096 4.100 4.104 4.108 4.112 4.116 4.120 4.124 4.128 4.132 4.136 4.140 4.144 4.148 4.152 4.156 4.160 4.164 4.168 4.172 4.176 4.180 4.184 4.188 4.192 4.196 4.200 4.204 4.208 4.212 4.216 4.220 4.224 4.228 4.232 4.236 4.240 4.244 4.248 4.252 4.256 4.260 4.264 4.268 4.272 4.276 4.280 4.284 4.288 4.292 4.296 4.300 4.304 4.308 4.312 4.316 4.320 4.324 4.328 4.332 4.336 4.340 4.344 4.348 4.352 4.356 4.360 4.364 4.368 4.372 4.376 4.380 4.384 4.388 4.392 4.396 4.400 4.404 4.408 4.412 4.416 4.420 4.424 4.428 4.432 4.436 4.440 4.444 4.448 4.452 4.456 4.460 4.464 4.468 4.472 4.476 4.480 4.484 4.488 4.492 4.496 4.500 4.504 4.508 4.512 4.516 4.520 4.524 4.528 4.532 4.536 4.540 4.544 4.548 4.552 4.556 4.560 4.564 4.568 4.572 4.576 4.580 4.584 4.588 4.592 4.596 4.600 4.604 4.608 4.612 4.616 4.620 4.624 4.628 4.632 4.636 4.640 4.644 4.648 4.652 4.656 4.660 4.664 4.668 4.672 4.676 4.680 4.684 4.688 4.692 4.696 4.700 4.704 4.708 4.712 4.716 4.720 4.724 4.728 4.732 4.736 4.740 4.744 4.748 4.752 4.756 4.760 4.764 4.768 4.772 4.776 4.780 4.784 4.788 4.792 4.796 4.800 4.804 4.808 4.812 4.816 4.820 4.824 4.828 4.832 4.836 4.840 4.844 4.848 4.852 4.856 4.860 4.864 4.868 4.872 4.876 4.880 4.884 4.888 4.892 4.896 4.900 4.904 4.908 4.912 4.916 4.920 4.924 4.928 4.932 4.936 4.940 4.944 4.948 4.952 4.956 4.960 4.964 4.968 4.972 4.976 4.980 4.984 4.988 4.992 4.996 5.000 5.004 5.008 5.012 5.016 5.020 5.024 5.028 5.032 5.036 5.040 5.044 5.048 5.052 5.056 5.060 5.064 5.068 5.072 5.076 5.080 5.084 5.088 5.092 5.096 5.100 5.104 5.108 5.112 5.116 5.120 5.124 5.128 5.132 5.136 5.140 5.144 5.148 5.152 5.156 5.160 5.164 5.168 5.172 5.176 5.180 5.184 5.188 5.192 5.196 5.200 5.204 5.208 5.212 5.216 5.220 5.224 5.228 5.232 5.236 5.240 5.244 5.248 5.252 5.256 5.260 5.264 5.268 5.272 5.276 5.280 5.284 5.288 5.292 5.296 5.300 5.304 5.308 5.312 5.316 5.320 5.324 5.328 5.332 5.336 5.340 5.344 5.348 5.352 5.356 5.360 5.364 5.368 5.372 5.376 5.380 5.384 5.388 5.392 5.396 5.400 5.404 5.408 5.412 5.416 5.420 5.424 5.428 5.432 5.436 5.440 5.444 5.448 5.452 5.456 5.460 5.464 5.468 5.472 5.476 5.480 5.484 5.488 5.492 5.496 5.500 5.504 5.508 5.512 5.516 5.520 5.524 5.528 5.532 5.536 5.540 5.544 5.548 5.552 5.556 5.560 5.564 5.568 5.572 5.576 5.580 5.584 5.588 5.592 5.596 5.600 5.604 5.608 5.612 5.616 5.620 5.624 5.628 5.632 5.636 5.640 5.644 5.648 5.652 5.656 5.660 5.664 5.668 5.672 5.676 5.680 5.684 5.688 5.692 5.696 5.700 5.704 5.708 5.712 5.716 5.720 5.724 5.728 5.732 5.736 5.740 5.744 5.748 5.752 5.756 5.760 5.764 5.768 5.772 5.776 5.780 5.784 5.788 5.792 5.796 5.800 5.804 5.808 5.812 5.816 5.820 5.824 5.828 5.832 5.836 5.840 5.844 5.848 5.852 5.856 5.860 5.864 5.868 5.872 5.876 5.880 5.884 5.888 5.892 5.896 5.900 5.904 5.908 5.912 5.916 5.920 5.924 5.928 5.932 5.936 5.940 5.944 5.948 5.952 5.956 5.960 5.964 5.968 5.972 5.976 5.980 5.984 5.988 5.992 5.996 6.000 6.004 6.008 6.012 6.016 6.020 6.024 6.028 6.032 6.036 6.040 6.044 6.048 6.052 6.056 6.060 6.064 6.068 6.072 6.076 6.080 6.084 6.088 6.092 6.096 6.100 6.104 6.108 6.112 6.116 6.120 6.124 6.128 6.132 6.136 6.140 6.144 6.148 6.152 6.156 6.160 6.164 6.168 6.172 6.176 6.180 6.184 6.188 6.192 6.196 6.200 6.204 6.208 6.212 6.216 6.220 6.224 6.228 6.232 6.236 6.240 6.244 6.248 6.252 6.256 6.260 6.264 6.268 6.272 6.276 6.280 6.284 6.288 6.292 6.296 6.300 6.304 6.308 6.312 6.316 6.320 6.324 6.328 6.332 6.336 6.340 6.344 6.348 6.352 6.356 6.360 6.364 6.368 6.372 6.376 6.380 6.384 6.388 6.392 6.396 6.400 6.404 6.408 6.412 6.416 6.420 6.424 6.428 6.432 6.436 6.440 6.444 6.448 6.452 6.456 6.460 6.464 6.468 6.472 6.476 6.480 6.484 6.488 6.492 6.496 6.500 6.504 6.508 6.512 6.516 6.520 6.524 6.528 6.532 6.536 6.540 6.544 6.548 6.552 6.556 6.560 6.564 6.568 6.572 6.576 6.580 6.584 6.588 6.592 6.596 6.600 6.604 6.608 6.612 6.616 6.620 6.624 6.628 6.632 6.636 6.640 6.644 6.648 6.652 6.656 6.660 6.664 6.668 6.672 6.676 6.680 6.684 6.688 6.692 6.696 6.700 6.704 6.708 6.712 6.716 6.720 6.724 6.728 6.732 6.736 6.740 6.744 6.748 6.752 6.756 6.760 6.764 6.768 6.772 6.776 6.780 6.784 6.788 6.792 6.796 6.800 6.804 6.808 6.812 6.816 6.820 6.824 6.828 6.832 6.836 6.840 6.844 6.848 6.852 6.856 6.860 6.864 6.868 6.872 6.876 6.880 6.884 6.888 6.892 6.896 6.900 6.904 6.908 6.912 6.916 6.920 6.924 6.928 6.932 6.936 6.940 6.944 6.948 6.952 6.956 6.960 6.964 6.968 6.972 6.976 6.980 6.984 6.988 6.992 6.996 7.000 7.004 7.008 7.012 7.016 7.020 7.024 7.028 7.032 7.036 7.040 7.044 7.048 7.052 7.056 7.060 7.064 7.068 7.072 7.076 7.080 7.084 7.088 7.092 7.096 7.100 7.104 7.108 7.112 7.116 7.120 7.124 7.128 7.132 7.136 7.140 7.144 7.148 7.152 7.156 7.160 7.164 7.168 7.172 7.176 7.180 7.184 7.188 7.192 7.196 7.200 7.204 7.208 7.212 7.216 7.220 7.224 7.228 7.232 7.236 7.240 7.244 7.248 7.252 7.256 7.260 7.264 7.268 7.272 7.276 7.280 7.284 7.288 7.292 7.296 7.300 7.304 7.308 7.312 7.316 7.320 7.324 7.328 7.332 7.336 7.340 7.344 7.348 7.352 7.356 7.360 7.364 7.368 7.372 7.376 7.380 7.384 7.388 7.392 7.396 7.400 7.404 7.408 7.412 7.416 7.420 7.424 7.428 7.432 7.436 7.440 7.444 7.448 7.452 7.456 7.460 7.464 7.468 7.472 7.476 7.480 7.484 7.488 7.492 7.496 7.500 7.504 7.508 7.512 7.516 7.520 7.524 7.528 7.532 7.536 7.540 7.544 7.548 7.552 7.556 7.560 7.564 7.568 7.572 7.576 7.580 7.584 7.588 7.592 7.596 7.600 7.604 7.608 7.612 7.616 7.620 7.624 7.628 7.632 7.636 7.640 7.644 7.648 7.652 7.656 7.660 7.664 7.668 7.672 7.676 7.680 7.684 7.688 7.692 7.696 7.700 7.704 7.708 7.712 7.716 7.720 7.724 7.728 7.732 7.736 7.740 7.744 7.748 7.752 7.756 7.760 7.764 7.768 7.772 7.776 7.780 7.784 7.788 7.792 7.796 7.800 7.804 7.808 7.812 7.816 7.820 7.824 7.828 7.832 7.836 7.840 7.844 7.848 7.852 7.856 7.860 7.864 7.868 7.872 7.876 7.880 7.884 7.888 7.892 7.896 7.900 7.904 7.908 7.912 7.916 7.920 7.924 7.928 7.932 7.936 7.940 7.944 7.948 7.952 7.956 7.960 7.964 7.968 7.972 7.976 7.980 7.984 7.988 7.992 7.996 8.000 8.004 8.008 8.012 8.016 8.020 8.024 8.028 8.032 8.036 8.040 8.044 8.048 8.052 8.056 8.060 8.064 8.068 8.072 8.076 8.080 8.084 8.088 8.092 8.096 8.100 8.104 8.108 8.112 8.116 8.120 8.124 8.128 8.132 8.136 8.140 8.144 8.148 8.152 8.156 8.160 8.164 8.168 8.172 8.176 8.180 8.184 8.188 8.192 8.196 8.200 8.204 8.208 8.212 8.216 8.220 8.224 8.228 8.232 8.236 8.240 8.244 8.248 8.252 8.256 8.260 8.264 8.268 8.272 8.276 8.280 8.284 8.288 8.292 8.296 8.300 8.304 8.308 8.312 8.316 8.320 8.324 8.328 8.332 8.336 8.340 8.344 8.				

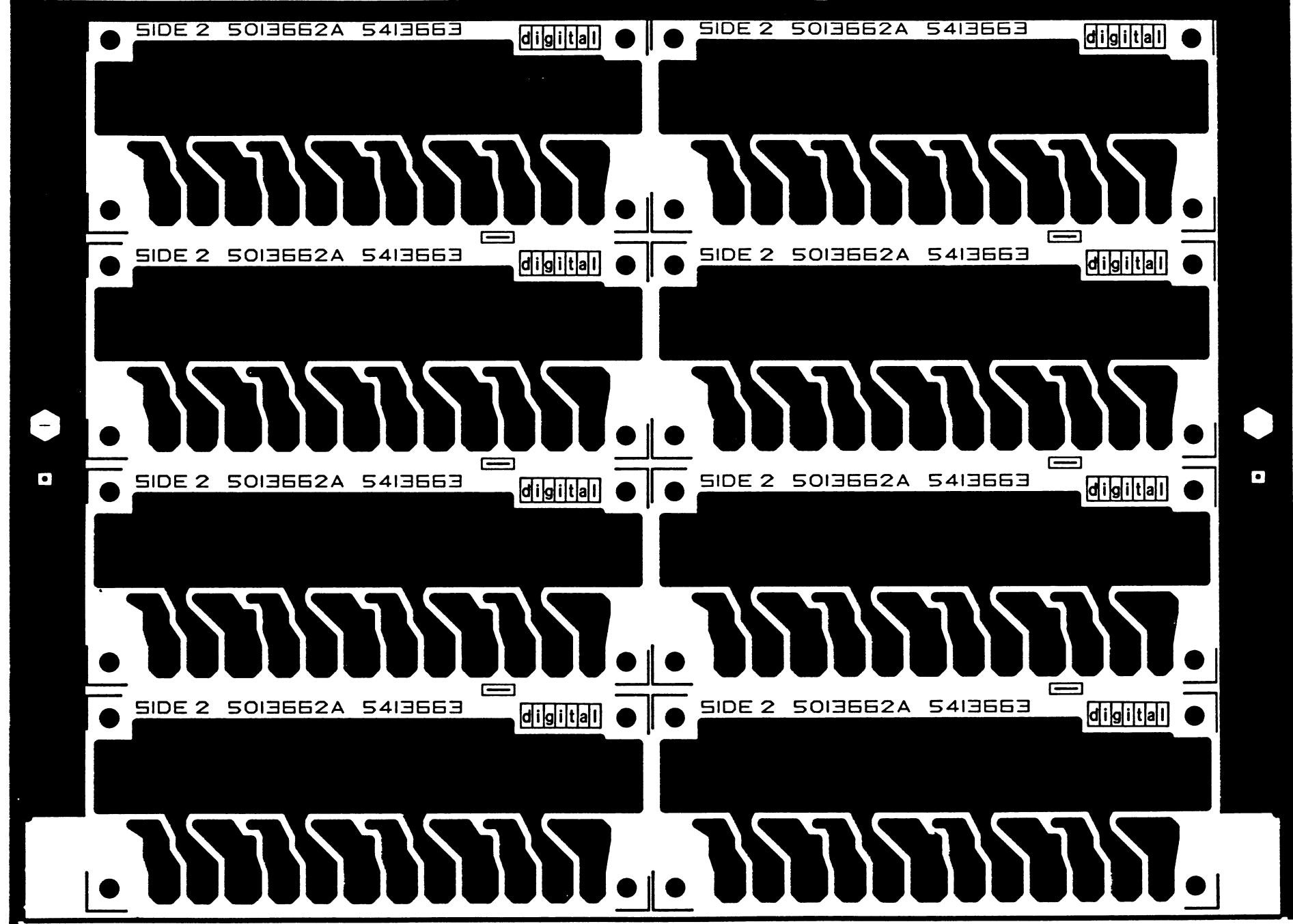


3	3	CABLE TIE SSTI-M	9007031-00	7
1	1	LABEL, CABLE IDENT.	9009532-CC	6
1	1	LABEL, AC LINE CORD WARNING	3611448-00	5
3	3	TERM. RING, 1 POS, INS, 14AWG	9007928-00	4
3	3	POWER CORD, 14-3, 15A, 300V	1700027-01	3
1	1	CONN, PWR PLUG NEMA 6-15P	9008853-00	2
1	1	CONN, PWR PLUG NEMA 5-20P	1215183-00	1

QUANTITY & VARIATION		DESCRIPTION		DWG. PART NO.		ITEM NO.	
7016907-01		7016907-00					
THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CLASS OF ACCURACY		MICROINCHES	
REMOVE BLURS AND BREAK SHARP CORNERS		DO NOT SCALE DWG		NEXT HIGHER ACCT.		D-AD-7016 478-0-0	
NATURAL SCALE		SEE PARTS LIST		SCALE		NONE	
SHEET		OF 1		DIST.			
TITLE		LINE CORD ASSY		FIRST USED ON		H7140	
DRN. <i>[Signature]</i>		5/6/79		ENGR. <i>[Signature]</i>		7-31-79	
PROJ. ENG. <i>[Signature]</i>		7-31-79		PROD. <i>[Signature]</i>		7-12-79	
SIZE		D		CODE		AD	
NUMBER		7016907-0-0		REV.		*	

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"

NAME 5413663-0-0 DUA 2

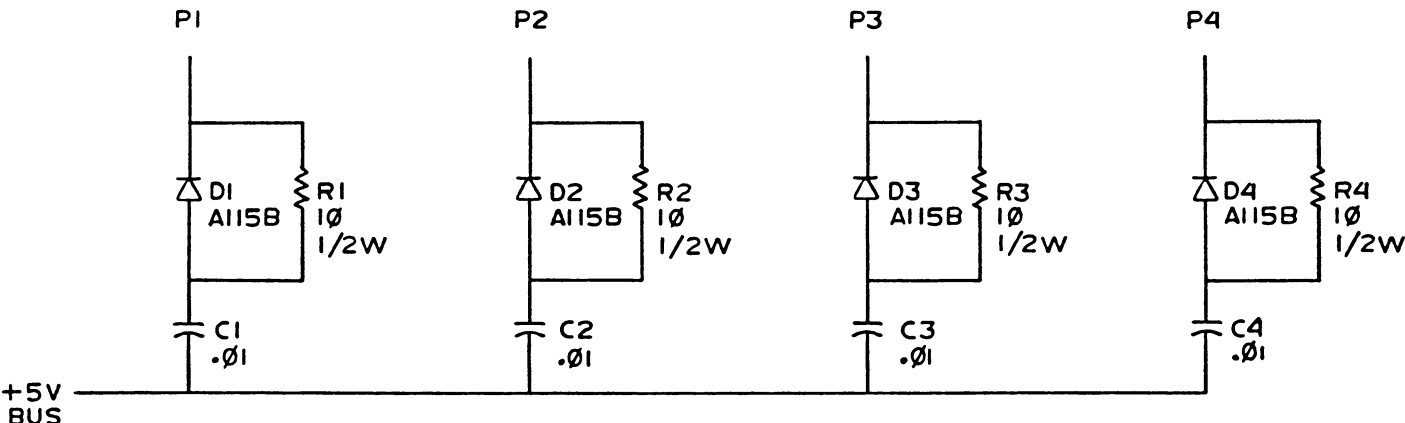


REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV.
H7140 SNUBBER BOARD		DUA	5413663-0-0	*
SCALE 2/1	SHEET 2 OF 2	DIST		

153

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION"



REVISIONS		REV.
CHK	CHANGE NO.	

DES FORM NO. 111-A

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN. <i>Jim Daniels</i>	DATE <i>3-29-78</i>	digital TITLE H7140 SNUBBER BOARD	
CHK'D. <i>F. Muniz</i>	DATE <i>6-22-78</i>		
ENG. <i>J. Naiman</i>	DATE <i>6/24/78</i>		
PROJ. ENG. <i>J. Naiman</i>	DATE <i>6/24/78</i>		
PROD. <i>F. Muniz</i>	DATE <i>7-13-78</i>		
NEXT HIGHER ASSY.		SIZE CODE	NUMBER
FIRST USED ON OPTION/MODEL		C CS	5413663-0-1
SCALE NONE		DIST.	REV. <i>154</i>
SHEET	OF		

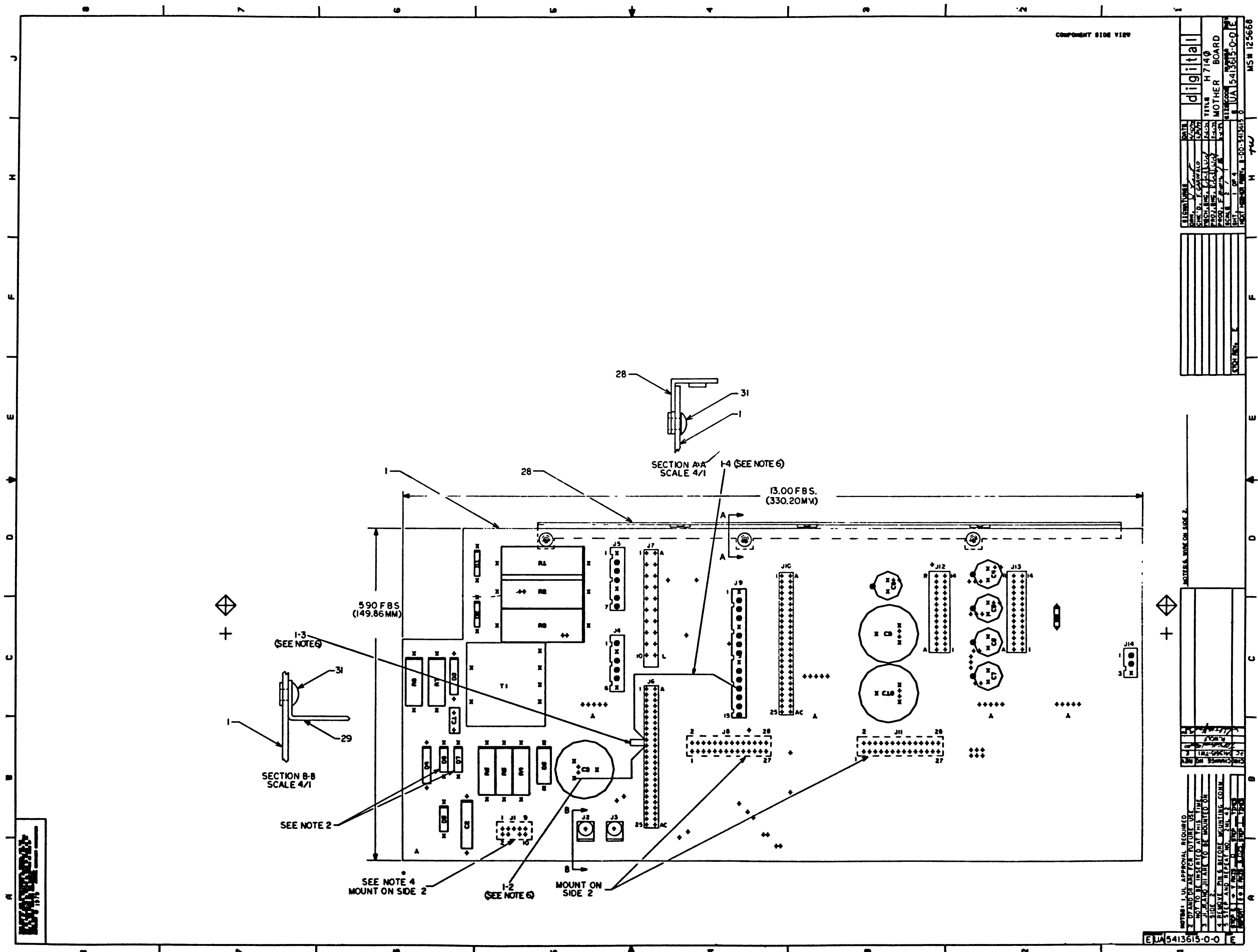
REV. *154*
NUMBER 5413663-0-1
SIZE CODE C CS

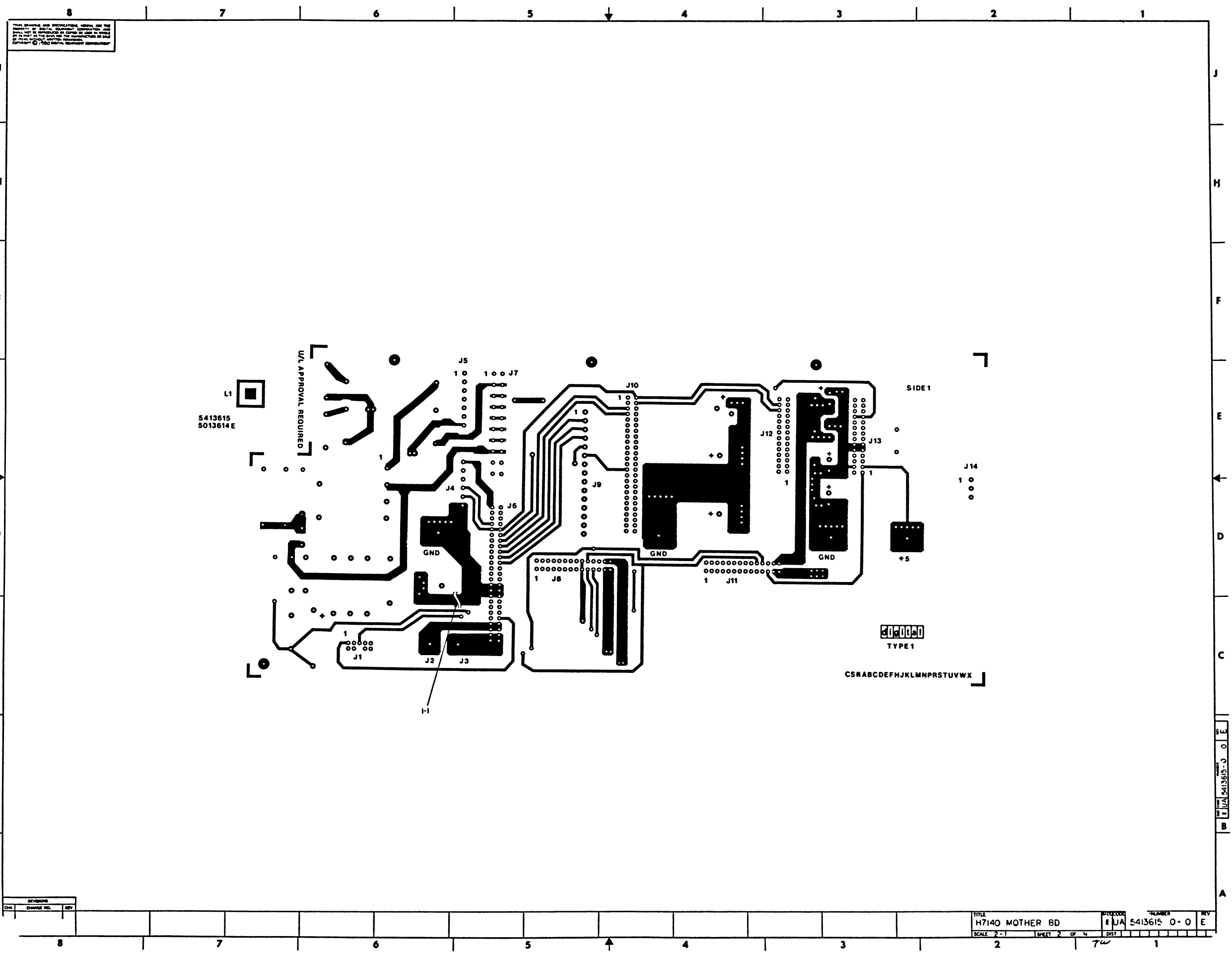
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5013662-0-0	5013662-00	DRILL & ETCH BD	1	
2	2		1011847-01	.01 MFD 400V 10% POLYPROP	4	C1-C4
3	3		1112594-01	A115B PIV=200 I= 3A	4	D1-D4
4	4		1300168-00	10 1/2W 5% CC	4	R1-R4
5	5		9107801-33	WIRE,STRND,20AWG IPVC UL1431	A/R	
6	6		9007930-00	TERM RING 1POS INSULATED,22-16	4	
7	7		9008356-01	WIRE IDENTIFIER,(1-48)	1	

0 NOTE: ITEM #5, 1.33' IS USED.

REVISION HISTORY			BASIC PART NO: 5413663			DIGITAL		
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	K,FRIEDGEN	DATE:	22-MAY-79	
---	INITIAL	*	SECTION VARIATION INDEX	CHK'D:	J.CASEY	DATE:	19-JUL-79	TITLE PARTS LIST
			[A] 00					SNUBBER BOARD ASSY
			[B]					
			[C]	DES.ENG:	J.A.HERRMANN	DATE:	22-MAY-79	
			[D]					DOCUMENT NUMBER
			[E]					
			[F]	RESP.ENG.:	J.A.HERRMANN	DATE:	22-MAY-79	
			[H]					SIZE CODE NUMBER REV
			[J]					
			[K]	MFG.ENG.:	F.MUNIZ	DATE:	19-JUL-79	K PL 5413663-0-DBP *
			[L]					
			[M]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #
			[N]	ID-UA-5413663-0-0		ID-MD-5413663-0-0		13663.PLS 8
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1979, DIGITAL EQUIPMENT CORPORATION								

155



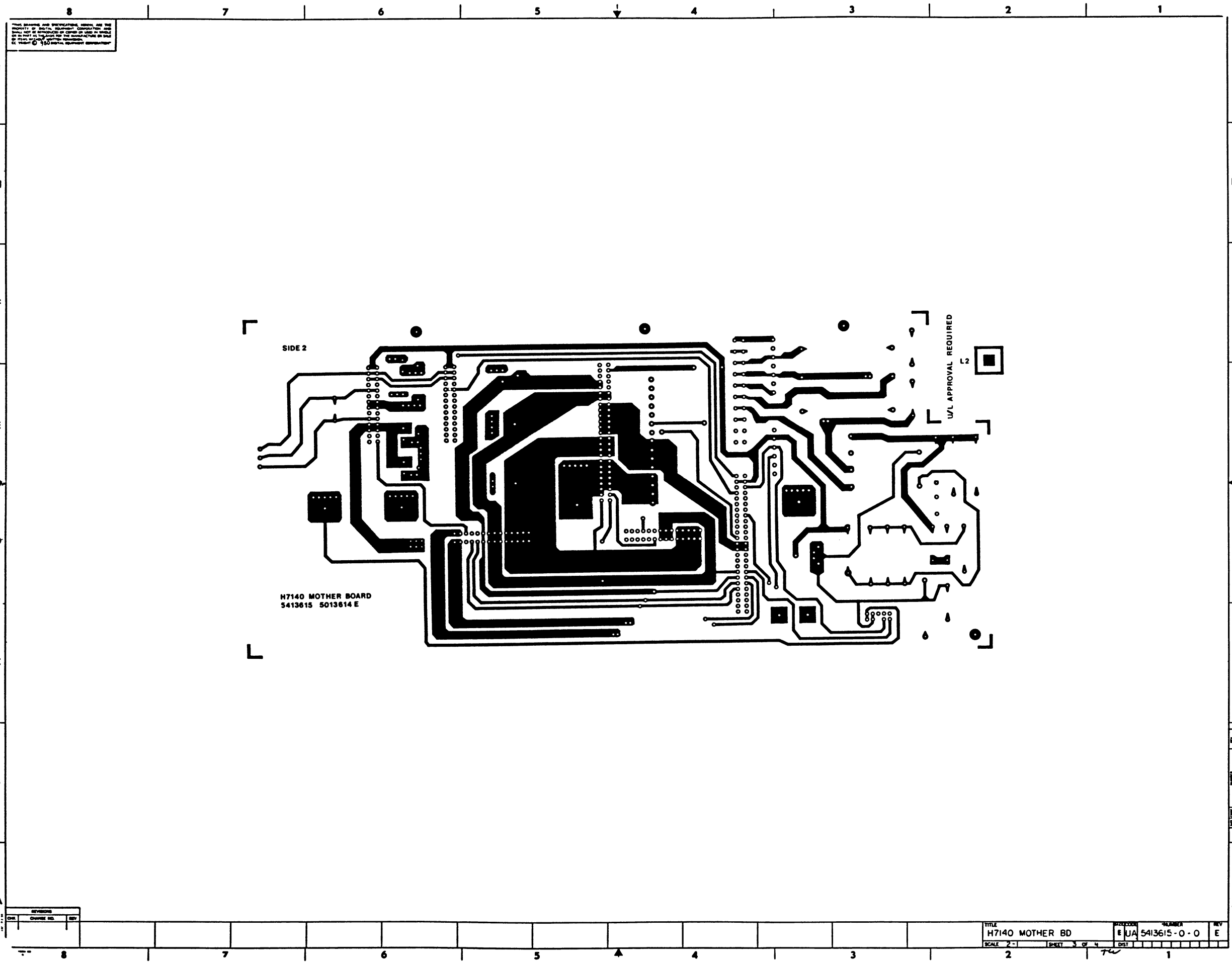


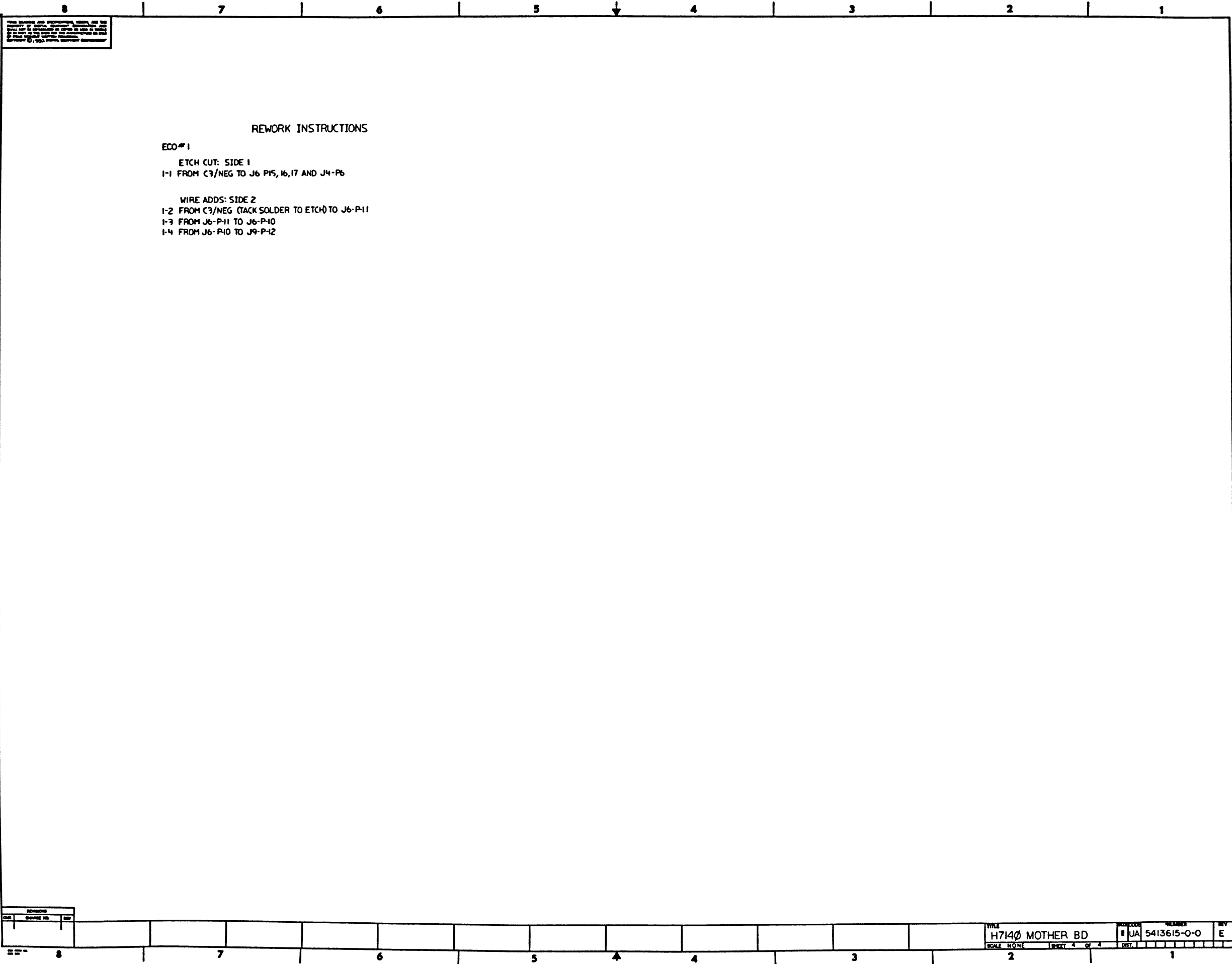
THIS DRAWING AND SPECIFICATIONS HEREBY ARE THE PROPERTY OF THE U.S. GOVERNMENT. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. GOVERNMENT.

REV	CHG	NO	REV

TITLE		H7140 MOTHER BD		DRAWN		EUA 5413615 0-0 E		REV	
SCALE		2-1		SHEET		2 OF 4		Tm	

157





REWORK INSTRUCTIONS

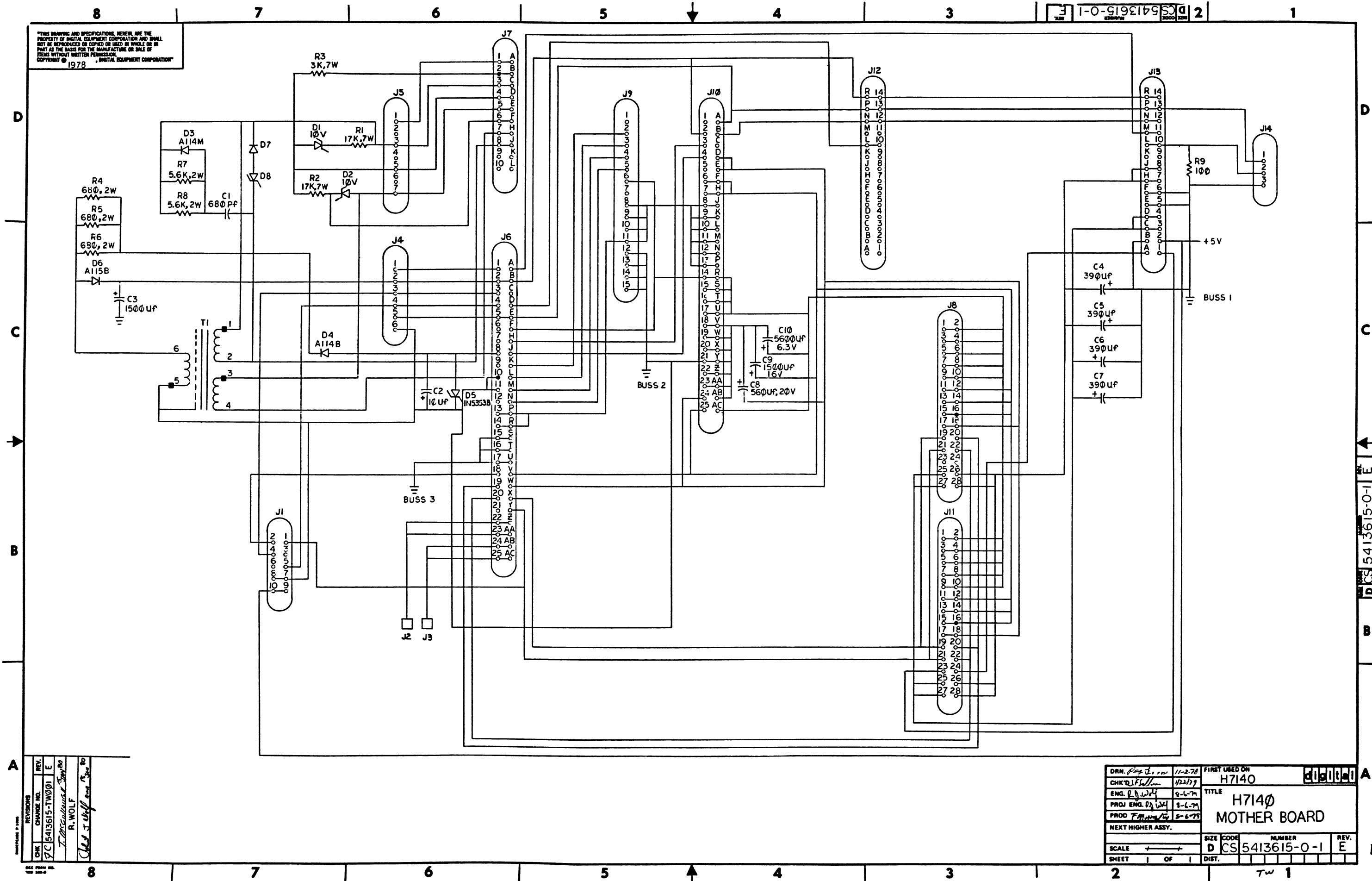
ECO #1
ETCH CUT: SIDE 1
I-1 FROM C3/NEG TO J6 P15, 16, 17 AND J4-P6

WIRE ADDS: SIDE 2
I-2 FROM C3/NEG (TACK SOLDER TO ETCH) TO J6-P11
I-3 FROM J6-P11 TO J6-P10
I-4 FROM J6-P10 TO J9-P12

DATE	DRAWN BY	REV

TITLE		PART NO.		QUANTITY		REV	
H7140 MOTHER BD		EUA		5413615-0-0		E	
SCALE: NONE		SHEET 4 OF 4		DST.			

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION



REVISIONS	
CHK	CHANGE NO.
1	5413615-TW001 E
T. McClellan	
R. WOLF	
11-2-78	

DRN. 11-2-78	11-2-78	FIRST USED ON	H7140
CHKD. 11-2-78	11-2-78	TITLE	H7140
ENG. 11-2-78	11-2-78	NUMBER	MOTHER BOARD
PROJ. ENG. 11-2-78	11-2-78	REV.	E
PROD. 11-2-78	11-2-78	SCALE	1 OF 1
NEXT HIGHER ASSY.		SHEET	1 OF 1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00		
1	1	D-MD-5013614-0-0	5013614-00	DRILL & ETCH BD	1	
2	2		1004813-00	10 MFD 20V 10% S.TANT	1	C2
3	3		1012607-00	560 MFD 20V H3 672D AL EL	1	C8
4	4		1012607-06	390 MFD 20V H3 670 AL EL	4	C4-C7
5	5		1013280-00	680.0 MMF1000V 50200PPM	1	C1
6	6		1014229-00	1500 MFD 16V +75-10% AL EL	2	C9,C3
7	7		1016169-00	5600 MFD 6.3V +75,-10% AL EL	1	C10
8	8		1110054-00	1N 5353B VZ= 16.0V 5% .40W M	1	D5
9	9		1100125-00	1N 750A VZ= 10.0 5% .40W PPE	2	D1,D2
10	10		1112594-01	A115B PIV=200 I= 3A	1	D6
11	11		1112595-01	A114B PIV=200 I= 1A	1	D4
12	12		1112595-02	A114M PIV=600 I= 1A	1	D3
13	13		1215341-01	HEADER 10POS VERTICAL	1	J1
14	14		1211004-00	SOCKET,100 20POS BOTTOM MOUNT	4	J12,J13,J11,J8
15	15		1211004-04	SOCKET,100 40POS	1	J7
16	16		1211004-05	SOCKET,100 50POS	2	J6,J10
17	17		1216122-01	HEADER,156 7POS KEYED	1	J5
18	18		1216122-02	HEADER,156 15POS KEYED	1	J9
19	19		1216122-04	HEADER,156 3POS	1	J14
20	20		1216122-05	HEADER,156 6POS	1	J4
21	21		1300229-00	100.0 .25 W 5.0 % CC	1	R9
22	22		1300348-00	680.0 2.0 W 5.0 % CC	3	P4-P6
23	23		1300456-00	5.60 K 2.0 W10.0 % CC	2	R7,R8
24	24		1316207-00	3.0 K 7W+,-5% WH	1	R3
25	25		1316209-00	17.0 K 7W+,-5% WH	2	R1,R2
26	27		1616215-00	XFMR P=240/360 S=5V	1	T1
27	28		7422391-00	SUPPORT,MOTHER BOARD	1	
28	29		9008219-00	TEPM QUICK 1POS ADAPTER	2	J2,J3
29	31		9009000-00	EYELET, ROLLED FLANGE, .121 OD X	5	
30	32		9107688-55	WIPE(WRAP)24AWG UL1327 A/R		

REVISION HISTORY			BASIC PART NO: 5413615												
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	M.CICCONE	DATE:	27-MAR-79								
---	INITIAL	D	SECTION VARIATION INDEX	CHK'D:	E.T.GERRY	DATE:	27-MAR-79								
R.W.	TW001	E	[A] 00												
			[B]												
			[C]	DES.ENG:	R.WOLF	DATE:	27-MAR-79								
			[D]												
			[E]												
			[F]	RESP.ENG.:	R.WOLF	DATE:	27-MAR-79								
			[H]												
			[J]												
			[K]	MFG.ENG.:	P.WAITKUS	DATE:	6-AUG-79								
			[L]												
			[M]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:									
			[N]	ID-UA-5413615-0-0											
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980, DIGITAL EQUIPMENT CORPORATION "															

TV

AUTOMATED BY PRTLST,3J(25)

P A R T S L I S T

SHEET A2 OF A2

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
-----------	-----------------	-------------	-------------	-------------------------	----------------------

31 NOTE: FOR ITEM #32, 46" IS USED.

D	I	G	I	T	A	L	TITLE	MOTHER BOARD	SECTION A OF A	SIZE	CCDE	DOCUMENT NUMBER	REV
										K	PL	5413615-0-DBP	E

TW

THIS DRAWING IS THE PROPERTY OF THE UNITED STATES GOVERNMENT AND IS LOANED TO YOU BY THE GOVERNMENT. IT IS TO BE USED FOR THE PURPOSES SPECIFIED IN THE ORDER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE UNITED STATES GOVERNMENT.

NOTES:

1. STEP AND REPEAT CODE 2ML 39
2. R18, R19 MUST BE RAISED .125" TO .150"
3. D1-D4, R1, R2, R8 MUST BE RAISED .05" TO .10"
4. E1 AND Q1-Q6, MUST BE MOUNTED TO HEAT SINK BEFORE BEING ATTACHED TO PCB SEE VIEW A-A.
5. EYELET, ITEM NO 99, USED IN MOUNTING HOLES OF FI.
6. USE TRANSIPADS, ITEM NO.100, UNDER Q8, Q9.
7. USE THERMAL COMPOUND, ITEM NO.101, BETWEEN E1, Q1-Q6, AND HEAT SINK'S.

STEP 1: Y AXIS 5.025 STEP 1 TIMES
REPEAT: X AXIS 7.900 STEP 1 TIMES

CHG	NO	REV	DATE	BY	APP
1	5413605-TW3	E	1-4-80	R. WOLF	
2	5413605-TW3	F	1-17-80	R. WOLF	

ETCH REV.	CPI

SIGNATURES	DATE	digital
DRN. <i>[Signature]</i>	1-4-80	
CHK'D. <i>[Signature]</i>	1-17-80	
MECH. ENG. <i>[Signature]</i>	1-17-80	
PROJ. ENG. <i>[Signature]</i>	1-17-80	
PROD. <i>[Signature]</i>	1-17-80	
SCALE	1 OF 1	
SHT.	1 OF 1	
NEXT HIGHER ASSY.	B-00-5413605-B	
TITLE	BIAS AND INTERFACE BOARD	
SIZE	CODE	NUMBER
D	UA 5413605-0-0	E

TW 1 MS#171997



DRWL. <i>Fig. 1000</i> 11-778		FIRST USED ON		10-00-00	
CHK'D <i>J. S. M.</i> 11-778		TITLE BIAS AND INTERFACE BOARD			
ENG. <i>W. L. W.</i> 7-22-77					
PROJ. ENG. <i>J. S. M.</i> 7-22-77					
PROD. <i>T. W.</i> 7-13-77					
NEXT HIGHER ASY.					
SCALE + + +		SIZE D	CODE CS	NUMBER 5413605-0-1	REV. E
SHEET 1 OF 3		DIST.			

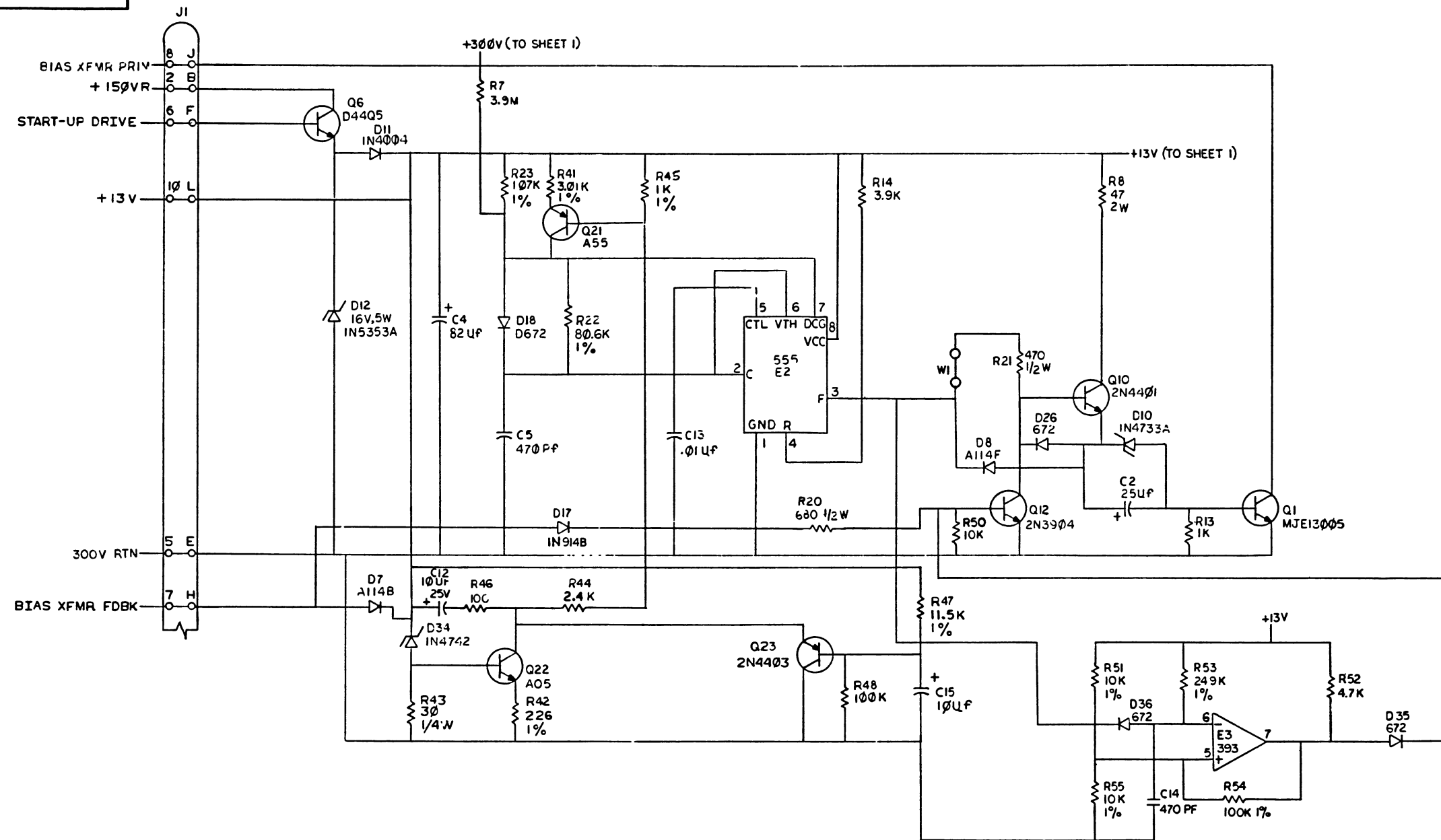


CHK	CHANGE NO.	REV.
-----	------------	------

SCALE DIST 2 OF 3 DIST.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION
COPYRIGHT © 1978

CS 5413605-0-1 2



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE BIAS AND INTERFACE BOARD
SCALE 1" = 1" SHEET 3 OF 3
REV. E
D CS 5413605-0-1
166

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	00	REFERENCE DESIGNATOR
1	1	D-MD-5013604-0-0	5013604-00	DRILL & ETCH BD	1		
2	2		1000024-00	470.0 MMF 100V 5%200PPM MICA	2		C5,C14
3	3		1000070-00	10 MFD 50V+100-10% AL EL	1		C1
4	4		1000075-00	25 MFD 25V +75-10% AL EL	1		C2
5	5		1001610-00	.01 MFD 50V +80-20% 25U CER	12		C6,C8-C11,C13,C17,C18,C21,
						CONT	C26-C28
6	6		1001776-00	1 MFD 35V 10% S.TANT	1		C25
7	7		1001784-00	50 MFD 25V +75-10% AL EL	1		C3
8	8		1010866-02	10 MFD 25V +50-20% S.TANT	4		C12,C15,C19,C24
9	9		1012784-00	.047 MFD 50V +80-20% CER	6		C7,C16,C20,C22,C23,C29
10	10		1013252-00	82 MFD 50V+100-10% AL EL	1		C4
11	11		1016138-00	1 MFD 50V 1% M.POLYCARB	1		C30
12	12		1105275-00	D 672 TR= 15NS PIV= 60V SI	24		D14-D16,D18-D21,D24-D26,D28-D33,
						CONT	D35-D38,D40-D43
13	13		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	7		D5,D6,D9,D11,D22,D23,D39
14	14		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	1		D13
15	15		1109502-00	1N 4742 VZ= 12.0 10% 1W Y	1		D34
16	16		1109517-00	1N 914B TR= 4NS PIV= 75V SY	1		D17
17	17		1109943-00	1N 4733A VZ= 5.1 5% 1W Y	1		D10
18	18		1110420-00	1N 5624 PIV=200 I= 5A	4		D1-D4
19	19		1110854-00	1N 5353B VZ= 16.0V 5% .40W M	1		D12
20	20		1112595-00	A114F PIV= 50 I= 1A	1		D8
21	21		1112595-01	A114B PIV=200 I= 1A	1		D7
22	22		1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A	1		F1
23	23		1216112-02	HEADER.100 40POS RT ANGLE	1		J1
24	24		1216112-03	HEADER.100 50POS RT ANGLE	1		J2
25	25		1300229-00	100.0 .25 W 5.0 % CC	7		R9-R12,R29,R31,R46
26	26		1300309-00	390.0 .25 W 5.0 % CC	2		R33,R34
27	27		1300315-00	470.0 .50 W 5.0 % CC	1		R21
28	28		1300347-00	680.0 .50 W 5.0 % CC	1		R20

REVISION HISTORY			BASIC PART NO: 5413605			DRN: J.FERGUSON			DATE: 16-OCT-80			DIGITAL		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: F.GAROFALO			DATE: 16-OCT-80			TITLE PARTS LIST		
---	INITIAL	E	SECTION.VARIATION INDEX			DES.ENG: R.WOLF			DATE: 16-OCT-80			BIAS AND INTERFACE BD		
			[A] 00											
			[B]											
			[C]			RESP.ENG.: R.WOLF			DATE: 16-OCT-80			DOCUMENT NUMBER		
			[D]											
			[E]											
			[F]											
			[G]											
			[H]											
			[J]									SIZE CODE NUMBER REV		
			[K]			MFG.ENG.: J.COMELLA			DATE: 16-OCT-80			K PL 5413605-0-DBP E		
			[L]											
			[M]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:		
			[N]			D-UA-5413605-0-0			B-DD-5413605-0-0			Z0402.PLS		
												EDIT # 11		

*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR CCPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION *

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
29	29		1300365-00	1.0 K .25 W 5.0 % CC	10		R6,R13,R16,R17,R49,R64,R65,R69,
30	30		1300439-00	3.30 K .25 W 5.0 % CC	14	CONT	R71,R93
31	31		1300444-00	3.90 K .25 W 5.0 % CC	1	CONT	R38-R40,R56-R58,R66,R73-R76,R79,
32	32		1300447-00	4.70 K .25 W 5.0 % CC	2		R83,R85
33	33		1300479-00	10.0 K .25 W 5.0 % CC	12		R14
							R52,R87
						CONT	R25,R35-R37,R50,R77,R78,R82,R84,
34	34		1301322-00	180.0 .25 W 5.0 % CC	1		R86,R88,R89
35	35		1302091-00	330.0 K .25 W 5.0 % CC	1		R30
36	36		1302177-00	47.0 K .25 W 5.0 % CC	1		R80
37	37		1302334-00	15.0 K 2.0 W 5.0 % CC	1		R32
38	38		1302394-00	30.0 K .25 W 5.0 % CC	1		R2
39	39		1302466-00	100.0 K .25 W 5.0 % CC	2		R81
40	40		1302479-00	200.0 K .50 W 5.0 % CC	1		R28,R48
41	41		1302644-00	226.0 .25 W 1.0 % RN55D-F10	1		R5
42	42		1302645-00	1.10 K .25 W 1.0 % RN55D-F10	1		R42
43	43		1302748-00	1.0 K .25 W 1.0 % RN55C-F 5	2		R62
44	44		1302751-00	30.0 .25 W 5.0 % CC	1		R26,R45
45	45		1302836-00	56.0 2.0 W 5.0 % CC	1		R43
46	46		1302860-00	11.50 K .25 W 1.0 % RN55D-F10	1		R1
47	47		1302874-00	147.0 .25 W 1.0 % RN55D-F10	1		R47
48	48		1302955-00	750.0 .25 W 1.0 % RN55D-F10	1		R92
49	49		1303067-00	422.0 .25 W 1.0 % RN55D-F10	1		R15
50	50		1303177-00	2.40 K .25 W 5.0 % CC	1		R60
51	51		1303305-00	6.98 K .25 W 1.0 % RN55D-F10	1		R44
52	52		1303322-00	274.0 K .75 W 1.0 % RN65D-F10	2		R70
53	53		1303438-00	121.0 K .25 W 1.0 % RN55D-F10	1		R3,R4
54	54		1304870-00	6.81 K .25 W 1.0 % RN55D-F10	1		R90
55	55		1305108-00	1.47 K .25 W 1.0 % RN55D-F10	1		R91
56	56		1305125-00	383.0 .25 W 1.0 % RN55D-F10	1		R61
57	57		1305253-00	7.15 K .25 W 1.0 % RN55D-F10	1		R72
58	58		1305357-00	125.0 10.0 W 5.0 % WW	2		R63
59	59		1309419-00	19.60 K .25 W 1.0 % RN55D-F10	1		R18,R19
60	60		1305405-00	24.90 K .25 W 1.0 % RN55D-F10	1		R59
61	61		1313341-00	5.36 K .25 W 1.0 % RN55D-F10	1		R53
62	62		1313775-00	80.60 K .25 W 1.0 % RN55D-F10	1		R24
63	63		1313843-00	107.0 K .25 W 1.0 % RN55D-F10	1		R22
64	64		1314023-00	47.0 2.0 W 5.0 % CC	1		R23
65	65		1314041-00	3.01 K .25 W 1.0 % RN55D-F10	2		R8
66	66		1314121-00	1.0 M .25 W 1.0 % RN55D-F10	2		R27,R41
67	67		1314387-00	3.90 M .25 W 5.0 % CC	1		R67,R68
68	68		1509524-00	2N 3904 NPN 310MW SI 40 40 M	2		R7
69	69		1510233-00	2N 5460 FET 310MW SIP CHNNL	1		Q11,Q12
70	70		1510705-00	XA 05 NPN 500MW SI 60 50 P	6		Q13
71	71		1510706-00	XA 55 PNP 500MW SI 60 50 P	2		Q17-Q20,Q22,Q26
72	72		1510707-00	D 44H8 NPN 25W SI 60Q2A	2		Q21,Q25
73	73		1510708-00	D 45H8 PNP 50WT SI 60 60 Y	2		Q2,Q4
							Q3,Q5

! D ! I ! G ! I ! T ! A ! L !	TITLE	SECTION A OF A	! SIZE ! CODE !	DOCUMENT NUMBER	! REV !
! ! ! ! ! ! ! !	BIAS AND INTERFACE BD		! K ! PL !	5413605-0-DBP	! E !
! ! ! ! ! ! ! !			! ! ! ! ! ! ! !		

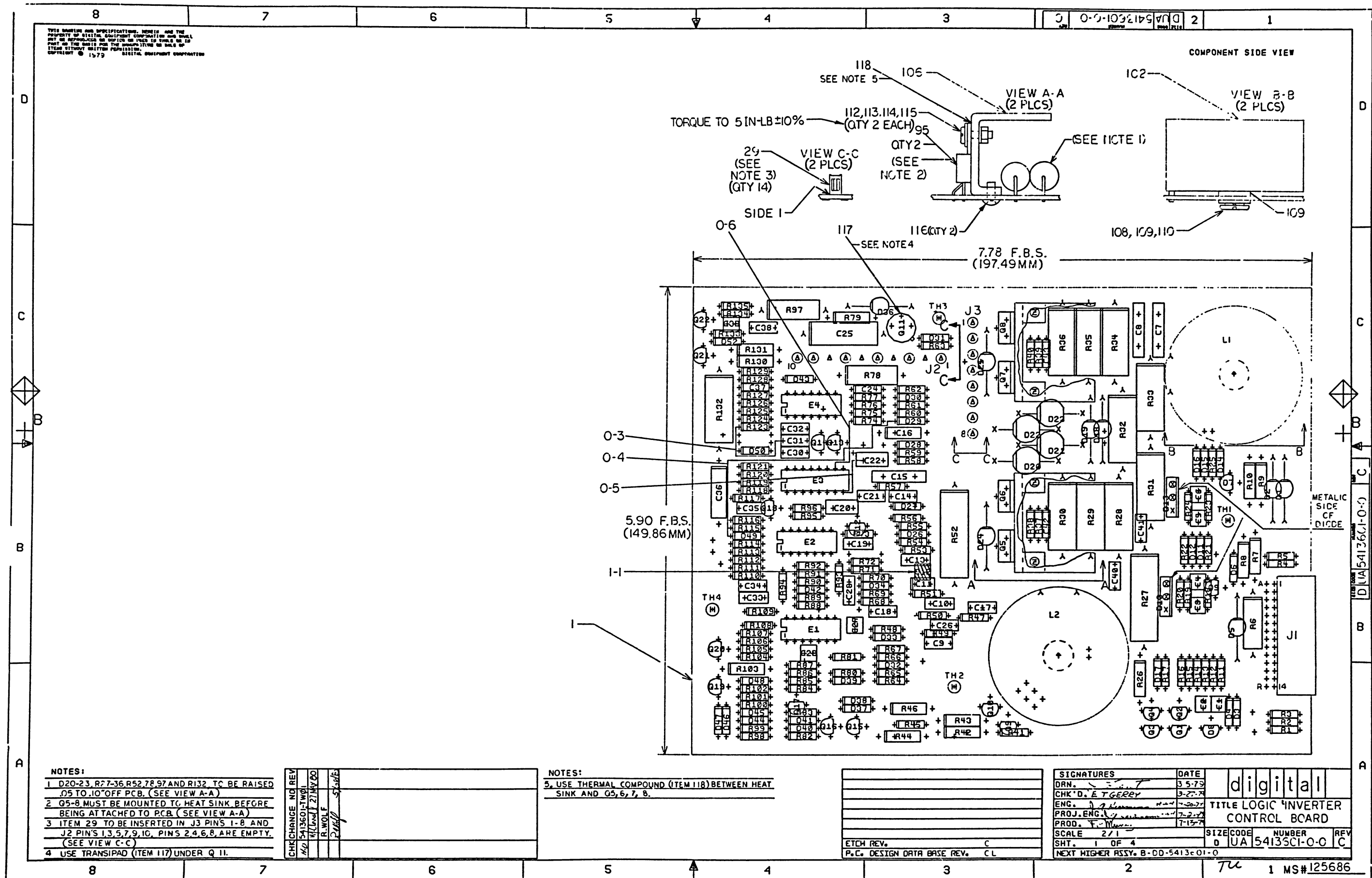
TW

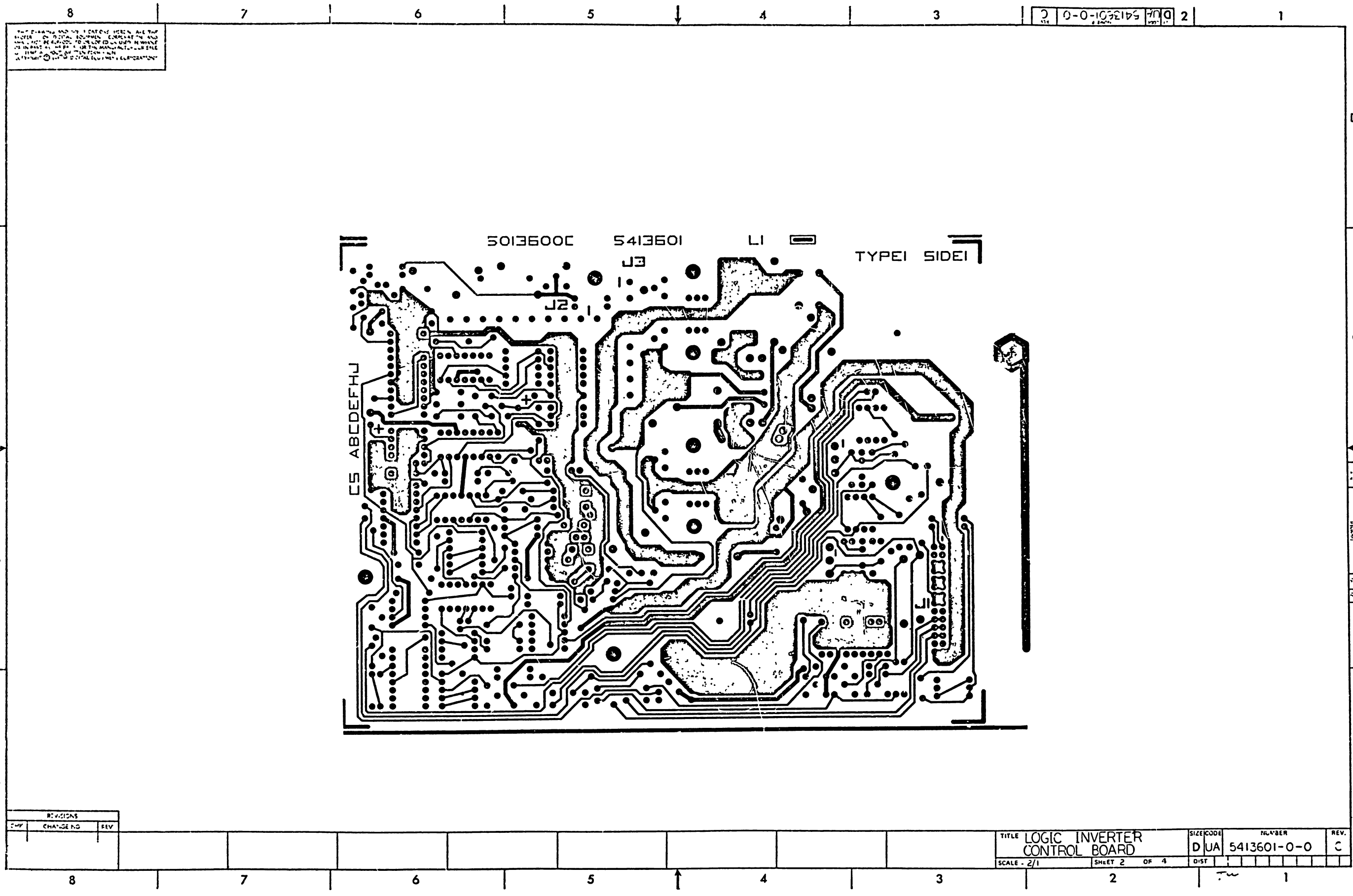
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
74	74	1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	2	Q8,Q9
75	75	1511686-00	DEC5433 FET N 350MW 10 25 1A	4	Q14-Q16,Q24
76	76	1513489-00	2N 4401 NPN 350MW SI 40 20	1	Q10
77	77	1513490-00	2N 4403 PNP 350MW SI-40 30	1	Q23
78	78	1514271-01	D 44Q5 NPN 31W SI225 30	1	Q6
79	79	1516119-00	NPN 600MW SI400 40	1	Q1
80	80	1516121-00	MPS A92 PNP 625MW SI300 25	1	Q7
81	81	1905547-00	7474 FF-D DUAL,EDGE TRIGG	1	E13
82	82	1909C04-00	DEC 7402 NOR GATE-QUAD 2IN	2	E7,E10
83	83	1910538-00	74S15 AND GATE-TRIPLE 3IN	1	E11
84	84	1910741-00	7406 INVERTER GATE-HEX 1I	1	E8
85	85	1911036-00	75453 DRIVER,PERIPH,DUAL,	1	E4
86	86	1911637-00	74132 NAND GATE-QUAD 2 IN	1	E12
87	87	1911944-00	555CN TIMER,FUNCT.BLOCK	3	E2,E16,E17
88	88	1912108-00	339 VOLT CMPRTR,QUAD	1	E9
89	89	1912536-01	7805 VOLT REG,FIX +5V	1	E1
90	90	1912799-00	LS00 NAND-GATE-QUAD 2IN,P	1	E14
91	91	1912800-00	LS01 NAND-GATE-QUAD 2IN,P	1	E15
92	92	1914156-00	LM 393 VOLT.COMPARATOR DUAL	1	E3
93	93	1914194-00	OPTP-COUPLED ISOLATOR	2	E5,E6
94	94	C-MD-7422046-0-0	7422046-00 HEAT SINK,SINGLE	3	
95	95	B-MD-7422047-0-0	7422047-00 HEAT SINK,DOUBLE	2	
96	96	9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	7	
97	97	9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	7	
98	98	9006688-00	WASHER, LOCK, S.S. #4	7	
99	99	9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	2	
100	100	9007201-00	TRANSIPADS #10253	2	
101	101	9008268-00	COMPOUND, THERMAL JOINT	A/R	
102	102	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1	W1
103	103	9009769-00	WASHER, RECTANGULAR .405X.225X.0	7	
104	104	9010128-00	SCREW,TAPPING,TYPE PAN ,PHIL,	7	
105	105	1303312-00	10.0 K .25 W 1.0 % RN55D-F10	2	R51,R55
106	106	1303044-00	100.0 K .25 W 1.0 % RN55D-F10	1	R54

169

! D ! I ! G ! I ! T ! A ! L !	TITLE	BIAS AND INTERFACE BD	! SECTION A OF A !	! SIZE ! CODE !	DOCUMENT NUMBER	! REV !
! K ! PL !					5413605-0-DBP	! E !

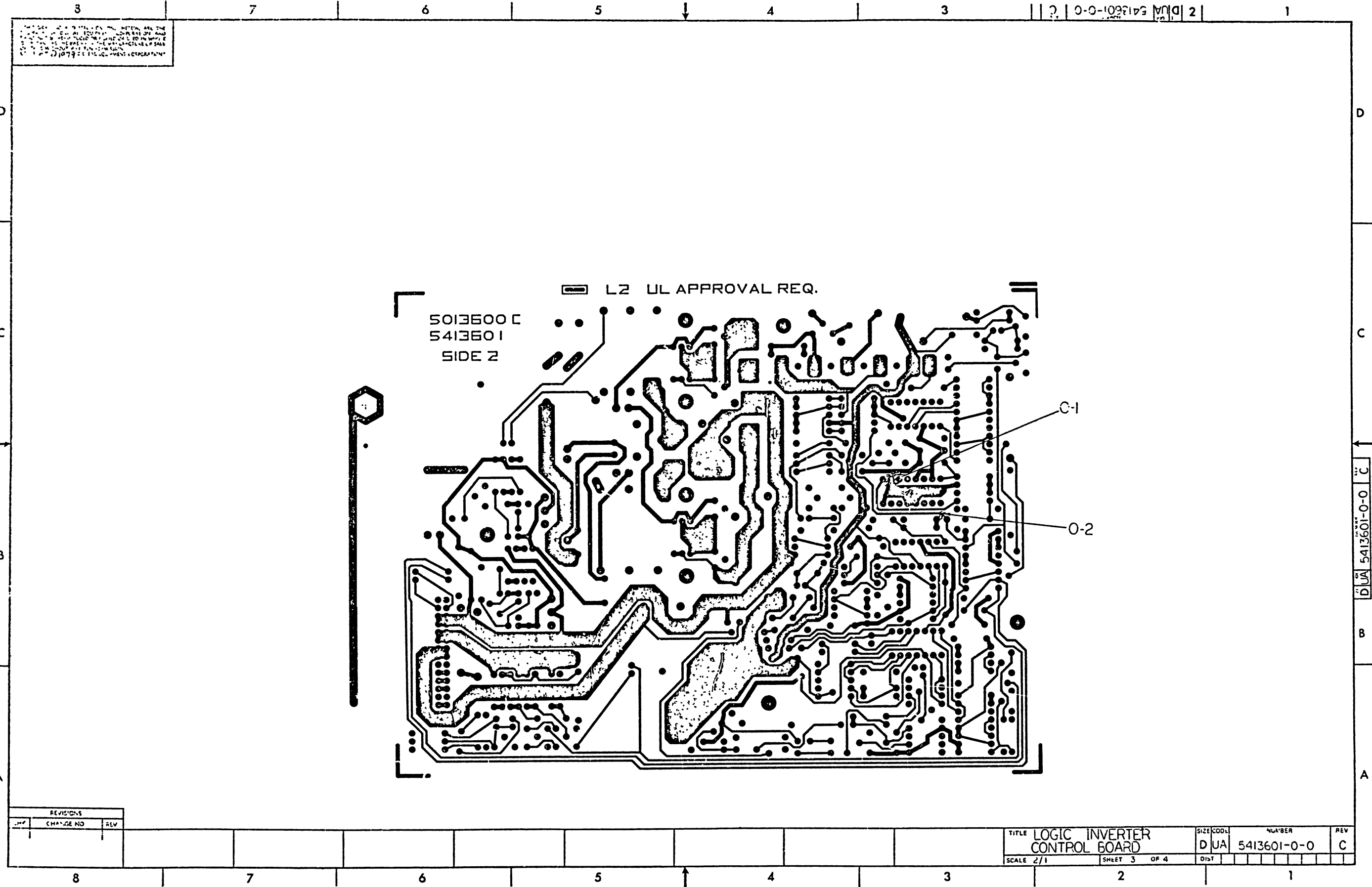
TW





REVISIONS		
CHG	CHANGE NO	REV

TITLE		SIZE/CODE		NUMBER		REV.
LOGIC INVERTER CONTROL BOARD		D UA		5413601-0-0		C
SCALE - 2/1		SHEET 2 OF 4		DIST		



ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE AS SHOWN
ON DRAWING
DRAWN BY: [Signature]
CHECKED BY: [Signature]
DATE: 10/19/72

REVISIONS		
NO.	CHANGE NO.	REV.

TITLE		LOGIC INVERTER CONTROL BOARD		SIZE CODE		NUMBER		REV	
				DUA		5413601-0-0		C	
SCALE 2/1		SHEET 3 OF 4		DIST					

8

0-0-1096179
DUA 5413601-0-0

6

5

4

3

2

1

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE
PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND
SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY
FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL,
INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY
INFORMATION STORAGE AND RETRIEVAL SYSTEM,
WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION

REWORK INSTRUCTIONS:

ETCH CUTS SIDE 2

- 0-1 CUT ETCH! ON BOTH SIDES OF E3-10 (2 CUTS)
- 0-2 FROM R74 TO Q18/BASE (CUT NEAR BASE)

WIRE ADD SIDE 1

- 0-3 FROM R123 TO C31
- 0-4 FROM D49/CATHODE TO D29/CATHODE
- 0-5 FROM E3-8 TO C22
- 0-6 FROM E3-10 TO R74.

REWORK INSTRUCTIONS: (ECO*1)

COMPONENT DELETE SIDE 1

1-1 DELETE C12

D

D

C

C

B

B

A

A

REVISION HISTORY		
DATE	ECO NUMBER	REV

DOCUMENT NUMBER		
SIZE	CODE	NUMBER
D	UA	5413601-0-0
SCALE		REV
NONE		C

TITLE LOGIC INVERTER
CONTROL BOARD

SHEET 4 OF 4

8

7

6

5

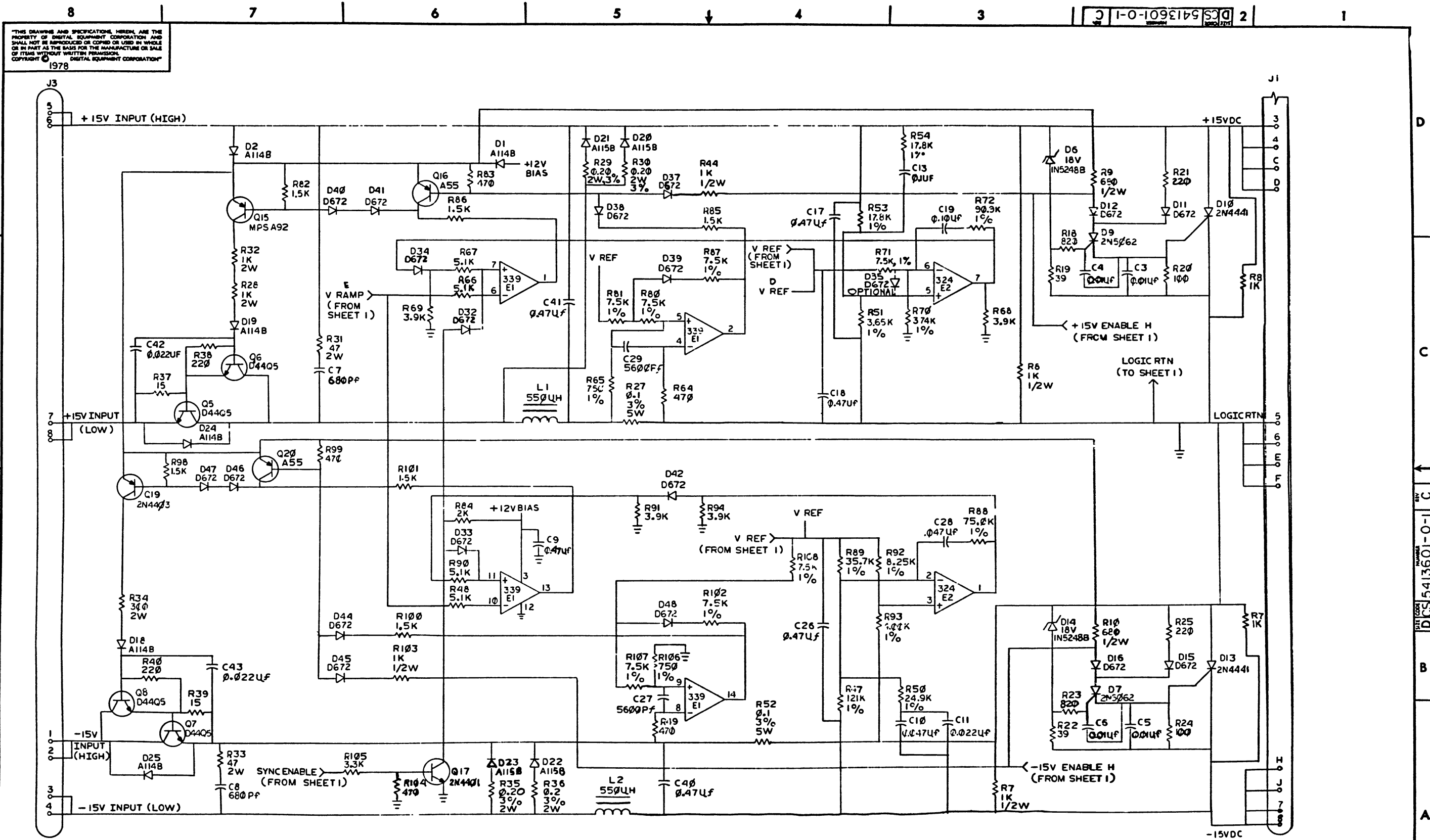
4

3

2

1

tw



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		LOGIC INVERTER CONTROL BOARD	SIZE CODE	NUMBER	REV.
SCALE		SHEET 2 OF 2	DIST.		

175

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION CO	REFERENCE DESIGNATOR
1	1	D-MD-5013600-0-0	5013600-00	DRILL & ETCH BD	1	
2	2		1010978-24	.01 MFD 50V 10% 2C067 CER	6	C1-C6
3	3		1013280-00	680.0 MMF1000V 5%200PPM	2	C7,C8
4	4		1010779-01	.47 MFD 25V 20% 2C023 CER.	14	C9,C14,C18,C21,C30-C32,C34,C35, C38,C17,C26,C40,C41
5	5		1010978-32	.047 MFD 50V 10% 2C067CER.	2	C10,C28
6	6		1011683-00	.022 MFD 50V 10% 2C067 CER.	1	C11
7	7		1014170-00	2700.0 MMF 100V 1% 70PPM	1	C15
8	8		1002627-00	2.2MFD 20V 10% 150D S.TA	1	C16
9	9	BLANK		*** THIS ITEM IS NOT USED ***	-	
10	10		1010978-36	.1 MFD 50V 10% 2C067 CER	3	C19,C33,C13
11	11		1010274-00	.22 MFD 50V -20+80 Z5U CER	1	C20
12	12		1000012-00	56.0 MMF 100V 5%200PPM DM15S	1	C22
13	13		1013466-08	680.0 MMF 50V 10% X7R CER	1	C24
14	14		1000052-00	.068 MFD 100V 10% 663UW MYLR	1	C25
15	15		1012783-00	.022 MFD 50V +80-20% CER	2	C43,C42
16	16		1011740-00	5600.0 MMF 50V 10% CW15C CER.	2	C27,C29
17	17		1005306-00	6.8MFD 35V 10% S.TANT	1	C36
18	18		1013466-09	1000.0 MMF 50V 10% X7RCER	1	C37
19	19		1011740-01	3300.0 MMF 50V 10% CW15C CER.	1	C39
20	20		1112595-01	A114B PIV=200 I= 1A	8	D1,D2,D5,D18,D19,D24,D25,D36
21	21		1111205-00	SCREENED VZ= 5.7 2% .40W	1	D3
22	22		1105275-00	D 672 TR= 15NS PIV= 60V SI	28	D4,D11,D12,D15,D16,D27-D34, D37-D50,D52
23	23		1110766-00	1N 5248B VZ= 18.0 5% .50W	2	D6,D14
24	24		1110968-00	2N 5062 SCR@100V I=.8A T092	3	D7-D9
25	25		1109991-00	1N 754A VZ= 6.8 5% .40W	1	D17
26	26		1112594-01	A115B PIV=200 I= 3A	4	D20-D23
27	27		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	1	D26
28	28		1105873-00	*** THIS ITEM IS NOT USED ***	-	

REVISION HISTORY			BASIC PART NO: 5413601			DRN: J.LENT		DATE: 3-JAN-79		D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: F.GERRY		DATE: 19-JUL-79		TITLE PARTS LIST			
---	INITIAL	B	SECTION VARIATION INDEX			DES.ENG: J.A.HERRMANN		DATE: 19-JUL-79		LOGIC INVERTER CONTROL BD			
---	INITIAL	B	[A] 00			RESP.ENG.: J.A.HERRMANN		DATE: 19-JUL-79		DOCUMENT NUMBER			
RW	5413601-TW001	C	[B]			MFO.ENG.: F.MUNIZ		DATE: 19-JUL-79		K	PL	5413601-0-DBP	C
			[C]			ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
			[D]			D-UA-5413601-0-0				Z0400C.PLS		20	
			[E]										
			[F]										
			[G]										
			[H]										
			[I]										
			[J]										
			[K]										
			[L]										
			[M]										
			[N]										
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.													
COPYRIGHT (C) 1980, DIGITAL EQUIPMENT CORPORATION													

TW

SHEET A2 OF A4

CONT

۱۷۷

TW

SHEET A3 OF A4

!	D	I	G	I	T	A	L	!	TITLE	!	SIZE	!	CODE	!	DOCUMENT NUMBER	!	REV
!								!	LOGIC INVERTER CONTROL BD	!		!		!		!	
!								!		!		!		!		!	
!								!		!		!	K	!	PL	!	5413601-0-DBP
!								!		!		!		!		!	C

AUTOMATED BY PRTLST.3G(17)

PARTS LIST

SHEET A4 OF A4

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
------	------	-----------------	-------------	-------------	-------------------	----------------------

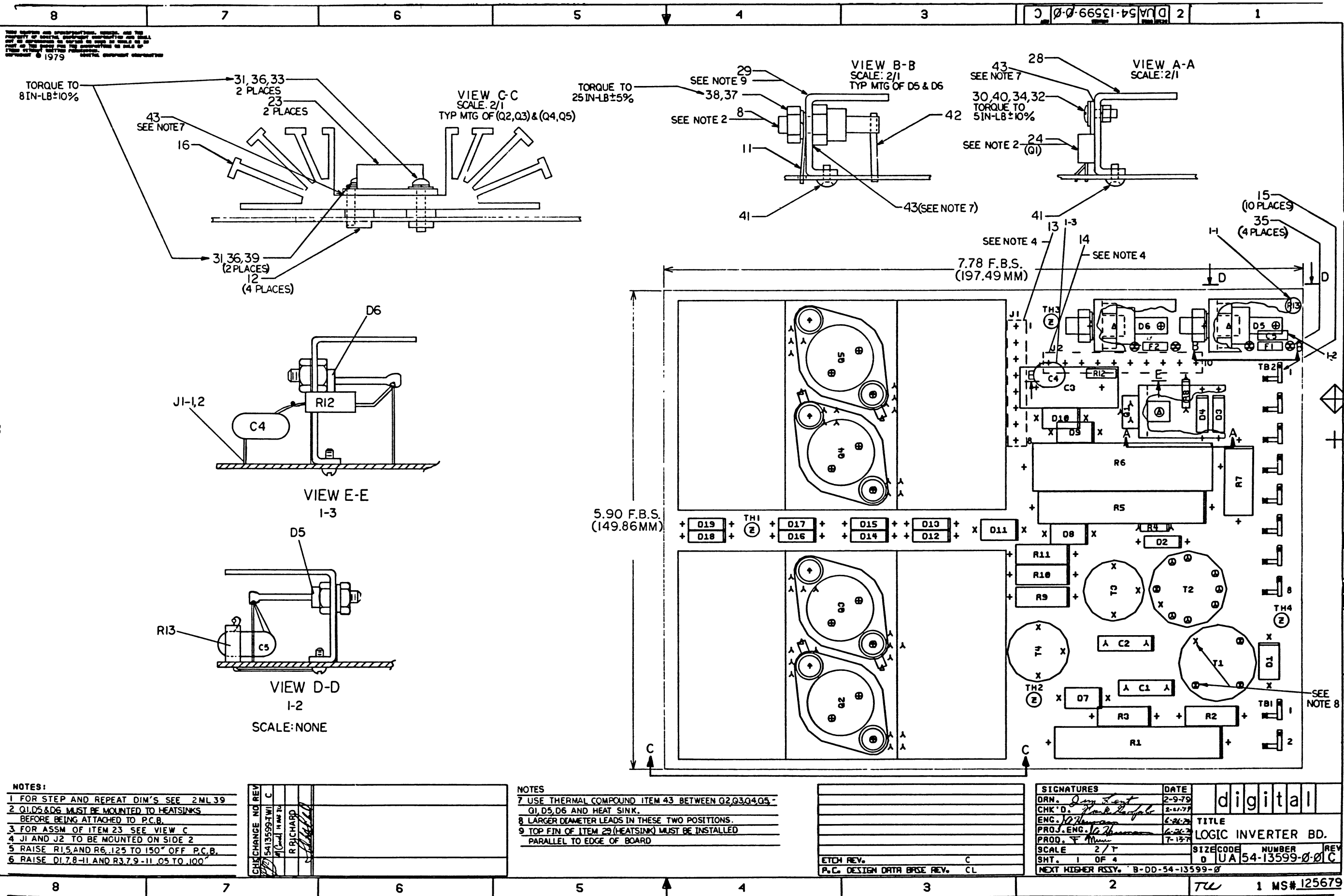
00

124 NOTE: ITEM #121; .52' IS USED.

D	I	O	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							LOGIC INVERTER CONTROL BD		K	PL	5413601-0-DBP	C

179

TW



"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"

digital SIDE 1 TYPE 1 CS + ABCDEFHJ

5013598C

5413599

LI

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER	REV.
LOGIC INVERTER BOARD		D	UA	5413599-0-0	C
SCALE	SHEET	2	OF	4	
	DIST.				

8

DUA 54-13599-0-0

6

5

4

3

2

1

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1960 DIGITAL EQUIPMENT CORPORATION

REWORK INSTRUCTION (ECO 1)

COMPONENT ADDS: SIDE 1

- 1-1 INSTALL R13 BY DRILLING ONE .055" HOLE AS SHOWN. (HOLE IS UNDERNEATH R13)
- 1-2 C5 AND R13 ARE CONNECTED BY TWISTING ONE LEAD OF R13 WITH ONE LEAD OF C5 AND SOLDERING. THE OTHER LEAD OF R13 IS TACK SOLDERED TO THE ETCH ON SIDE 2 LEADING TO THE CATHODE OF D5. THE OTHER LEAD OF C5 IS CONNECTED TO THE ANODE OF D5. (SEE VIEW D-D)
- 1-3 R12 AND C4 ARE CONNECTED BY TWISTING ONE LEAD OF R12 WITH ONE LEAD OF C4 AND SOLDERING. THE OTHER LEAD OF R12 IS CONNECTED TO THE ANODE OF D6. THE OTHER LEAD OF C4 IS TACK SOLDERED TO J1-1 AND 2. (SEE VIEW E-E)

D

D

C

C

B

B

A

A

REVISION HISTORY		
DATE	ECO NUMBER	REV

LOGIC INVERTER BOARD

DOCUMENT NUMBER			REV.
SIZE	CODE	NUMBER	
D	UA	54-13599-0-0	C
SCALE 2/1		SHEET 4 OF 4	

8

7

6

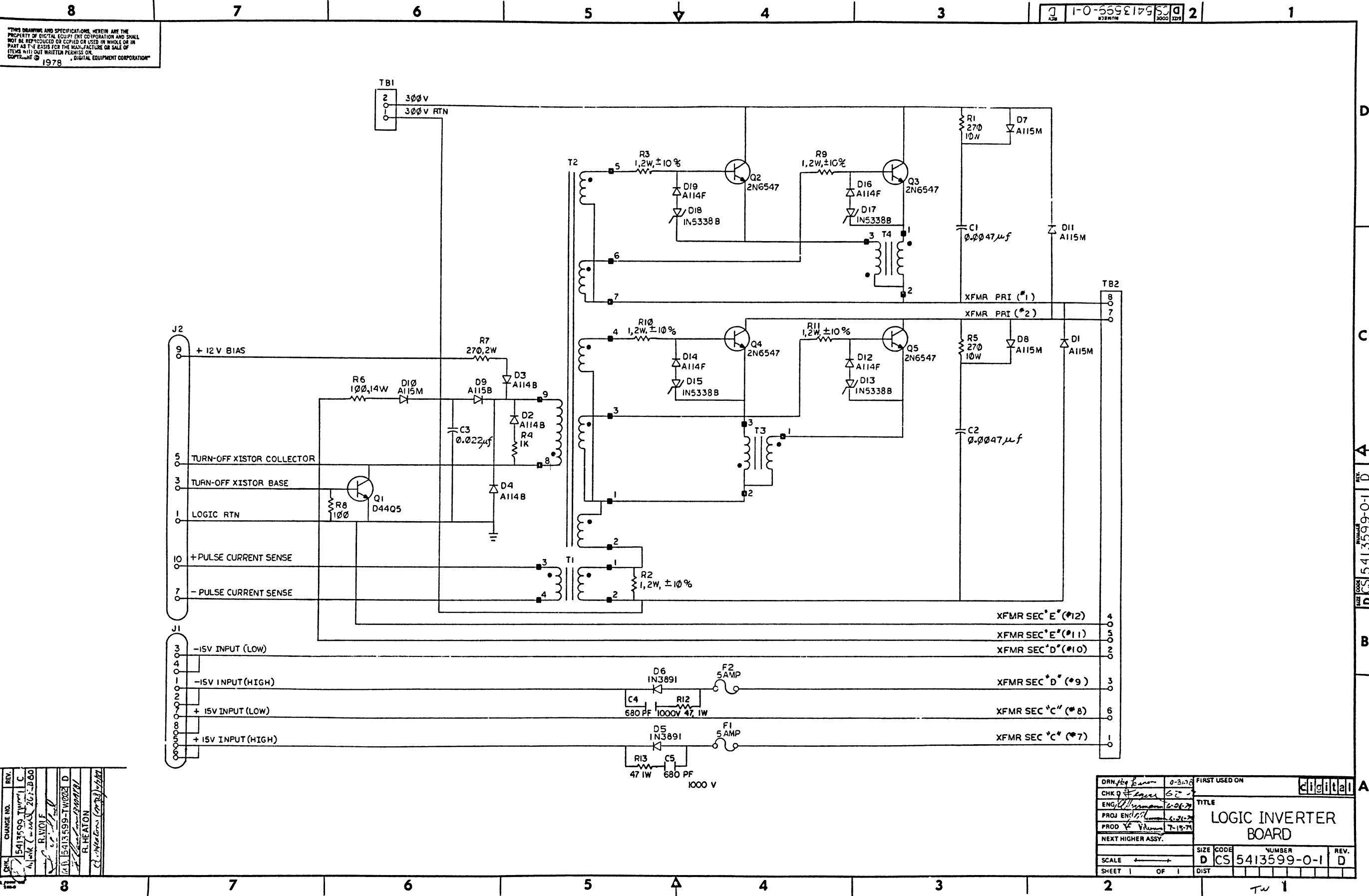
5

4

3

2

TW 1



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION
COPYRIGHT © 1978

DRN. by <i>[Signature]</i> 8-3-78		FIRST USED ON		digital	
CHKD. by <i>[Signature]</i> 6-2-78	TITLE				
ENG. by <i>[Signature]</i> 6-2-78	LOGIC INVERTER BOARD				
PROJ. ENCL. by <i>[Signature]</i> 6-2-78	NEXT HIGHER ASSY.				
SCALE		SIZE	CODE	NUMBER	REV.
SHEET 1 OF 1		D	CS	5413599-0-1	D

REV.	CHANGE NO.	REVISIONS
1	1	5413599-TW002 D
2	2	5413599-TW002 D
3	3	5413599-TW002 D
4	4	5413599-TW002 D
5	5	5413599-TW002 D
6	6	5413599-TW002 D
7	7	5413599-TW002 D
8	8	5413599-TW002 D

184

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5013598-0-0	5013598-00	DRILL & ETCH BD	1	
2	2		1011847-03	.0047 MFD 600V 10% POLYPROP	2	C1,C2
3	3		1017913-00	.022 MFD 400V 20% M.POLYPROP	1	C3
4	4		1112594-01	A115B PIV=200 I= 3A	1	D9
5	5		1112594-02	A115M PIV=600 I= 3A	5	D1,D7,D8,D11,D10
6	6		1112595-00	A114F PIV= 50 I= 1A	4	D12,D14,D16,D19
7	7		1112595-01	A114B PIV=200 I= 1A	3	D2-D4
8	8		1110491-20	IN 3891 PIV=200 T=12A D04 SI	2	D5,D6
9	9		1114435-00	1N 5338B VZ= 5.1 5% 5W	4	D13,D15,D17,D18
10	10		1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A	2	F1,F2
11	11		1216937-00	TERMINAL,SOLDER	2	
12	12		1214789-00	INSERT,THREADED 6-32 ,BRASS,ELEC	8	
13	13		1216108-00	HEADER,200 8POS STRAIGHT	1	J1
14	14		1216108-01	HEADER,200 10POS STRAIGHT	1	J2
15	15		1216269-00	TERM SPADE 1POS SOLDER STRIP	10	
16	16		1216316-00	HEAT SINK,ALUM,YELLOW CHROM. FIN	2	
17	17		1300229-00	100.0 .25 W 5.0 % CC	1	R8
18	18		1300365-00	1.0 K .25 W 5.0 % CC	1	R4
19	19		1305380-00	270.0 2.0 W 5.0 % CC	1	R7
20	20		1314350-00	1.0 2.0 W10.0 % FUSE	5	R2,R3,R9-R11
21	21		1314172-01	100.0 14.0 W 5.0 % WW	1	R6
22	22		1314544-00	270.0 10.0 W 5.0 % WW	2	R1,R5
23	23		1514195-00	2N 6547 NPN 400V SI 15A	4	Q2-Q5
24	24		1514271-01	D 44Q5 NPN 31W SI225 30	1	Q1
25	25		1614202-00	XFMR,CURRENT	1	T1
26	26		1614203-00	CHOKE,BALUN-COMMON MODE	2	T3,T4
27	27		1614204-00	PULSE XFMR 20312 BASE DRIVE	1	T2
28	28		7422046-00	HEAT SINK,SINGLE	1	
29	29		7422046-01	HEAT SINK	2	
30	30		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	1	

REVISION HISTORY			BASIC PART NO: 5413599			DRN: K.FRIEDGEN			DATE: 20-JUL-79			D I G I T A L				
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: F.GERRY			DATE: 20-JUL-79			TITLE PARTS LIST				
---	INITIAL	B	SECTION,VARIATION INDEX			DES.ENG: J.A.HERRMANN			DATE: 20-JUL-79			LOGIC INVERTER BD				
RR	5413599-TW001	C	[A] 00													
RH	5413599-TW002	D	[B]													
RH	5413599-TW002	D	[C]													
			[D]													
			[E]													
			[F]			RESP.ENG.: J.A.HERRMANN			DATE: 20-JUL-79			DOCUMENT NUMBER				
			[H]									SIZE!CODE! NUMBER				
			[J]									REV				
			[K]			MFG.ENG.: F.MUNIZ			DATE: 20-JUL-79			K	PL	5413599-0-DBP	D	
			[L]													
			[M]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:				
			[N]			D-UA-5413559-0-0						Z0399.PLS				
*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.																
COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION *																

195

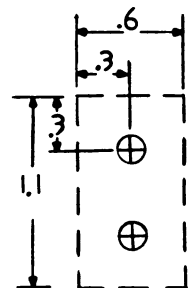
TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
31	31		9006025-01	SCREW,PAN,PHIL 6-32X 5/8 SS	8	
32	32		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	1	
33	33		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	4	
34	34		9006688-00	WASHER, LOCK, S.S. #4	1	
35	35		9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	4	
36	36		9007801-00	WASHER, LOCK, S.S. #6	8	
37	37		9007906-00	WASHER, LOCK S.S. #10	2	
38	38		9009005-00	NUT,HEX , 10-32 X1/4 AF X 3	2	
39	39		9009676-00	TERM LUG 1POS SOLDER	4	
40	40		9009769-00	WASHER, RECTANGULAR .405X.225X.0	1	
41	41		9010128-00	SCREW,TAPPING,TYPE PAN ,PHIL,	3	
42	42		9107560-03	WIRE,BUSS,18AWG	A/R	
43	43		9008268-00	COMPOUND, THERMAL JOINT	A/R	
44	44		1013280-00	680.0 MMF 1000V 5%200PPM MICA	2	C4,C5
45	45		1302199-00	47.0 1.0 W 5.0 % CC	2	R12,R13

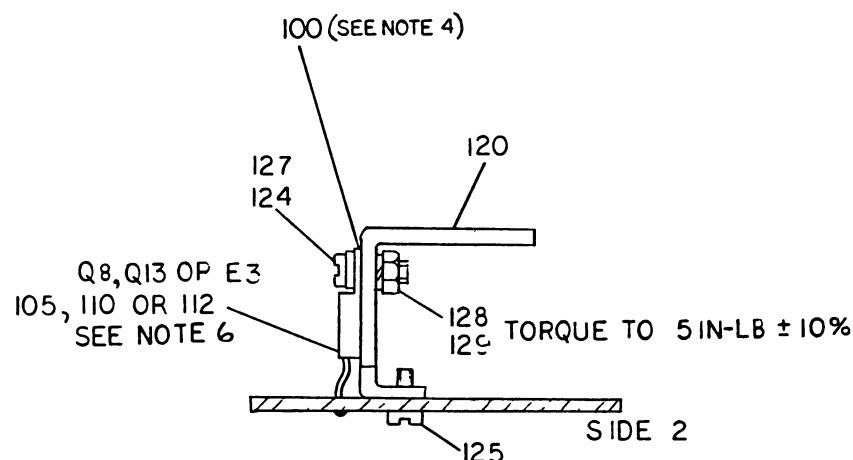
46 NOTE: ITEM #42; .19' IS USED.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							LOGIC INVERTER BD		K	PL	5413599-0-DBP	D

THIS DRAWING AND ANY INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF ELECTRONIC INDUSTRIES, INC. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM ELECTRONIC INDUSTRIES, INC.



DETAIL A
SEE NOTE 7



SECTION A-A
SCALE: 2/1
TYPICAL 3 PLACES

VIEW C-C
SCALE 2/1
TYP. MTG. OF L1, L2 & L3

VIEW B-B
SCALE 2/1
TYP. MTG. OF D4 & D6

FOR -00 DIODE IS USED
FOR -YA JUMPER IS USED

5.90 F.B.S.
(149.86 MM)

7.78 F.B.S.
(197.49 MM)

97 TORQUE TO
137.25 IN-LB
136 ± 5%

99 (SEE NOTE 3)

METAL-
LIC SIDE

(QTY 2
EACH)

NOTES:

1. R4, R37 MUST BE PAISED .125" TO .150".
2. D3 MUST BE PAISED .05" TO .10".
3. USE TRANSIPADS (ITEM 99) UNDER Q7, Q9, Q11 & Q14.
4. USE THERMAL CONDUCTIVE (ITEM 100) BETWEEN E3, Q5, Q8, Q13, D4, D6 & HEAT SINK.

STEP 1: 1.000 STEP 1 TIMES
REPEAT: 1.000 STEP 1 TIMES

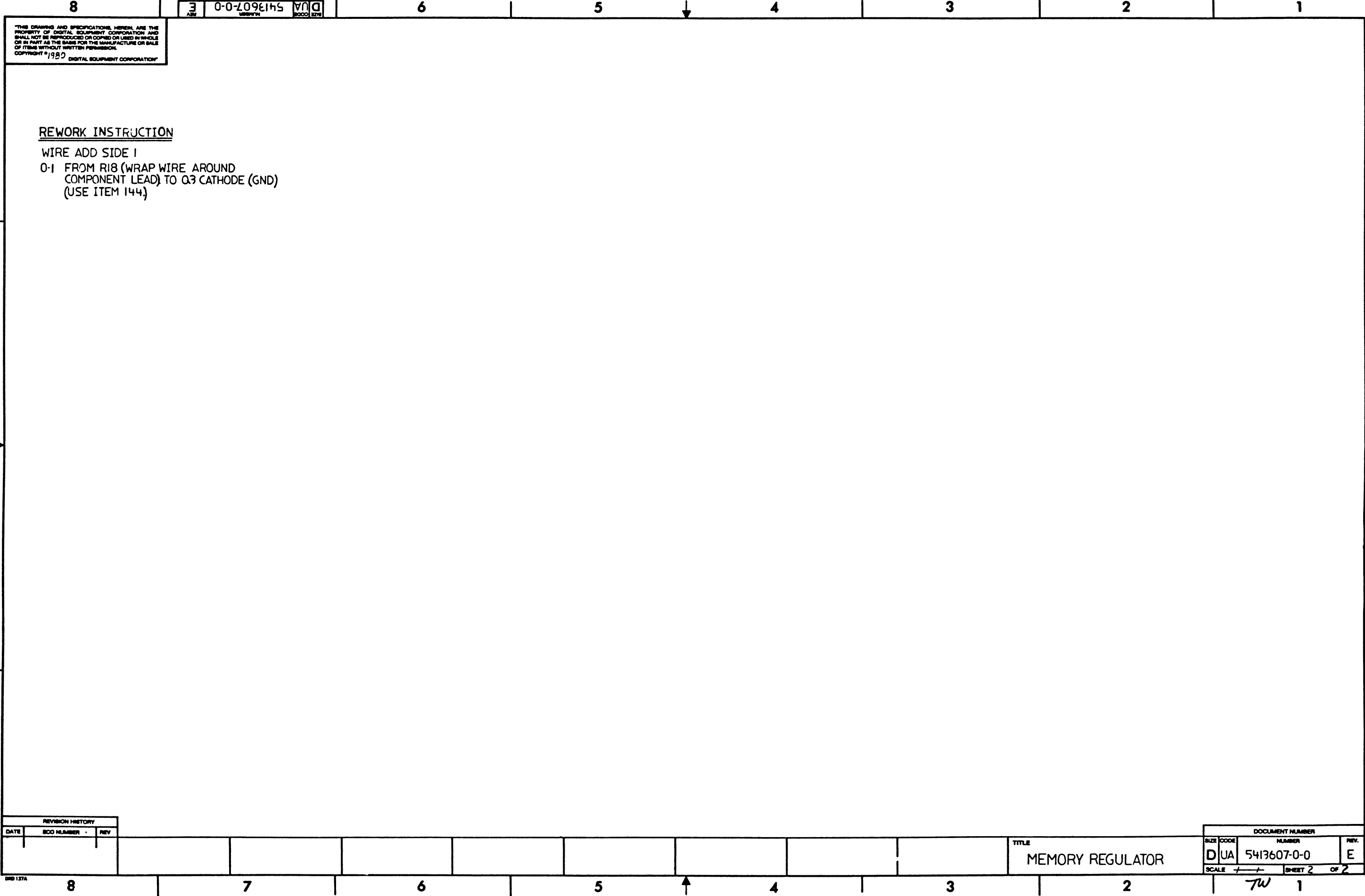
CHANGE NO	REV	DATE	BY	CHKD	APPD
5413607-TWS	E				
	RWOLF				

5. TORQUE TO 8 IN LB ± 10%
6. Q8, Q13, E3, D4, D6 MUST BE MOUNTED TO HEAT SINKS BEFORE BEING ATTACHED TO P.C.B.
7. MASK THIS AREA ON SIDE 2 ONLY, KEEP FREE OF SOLDER.

ETCH REV.	D-PI
-----------	------

SIGNATURES	DATE	digital
DRN. P. RICHARD TELLIER	12-27-79	
CHK'D. Mark	2-5-80	TITLE MEMORY REGULATOR
MECH. ENG. P. RICHARD TELLIER	2-5-80	
PROJ. ENG. P. RICHARD TELLIER	2-5-80	SIZE CODE NUMBER 0 UA 5413607-0-0
PROD. P. RICHARD TELLIER	2-5-80	
SCALE 2/1		REV E
SHT. 1 OF 2		
NEXT HIGHER ASSY. B-D-5413607-0		

TW 1 MS#171921 D-PI



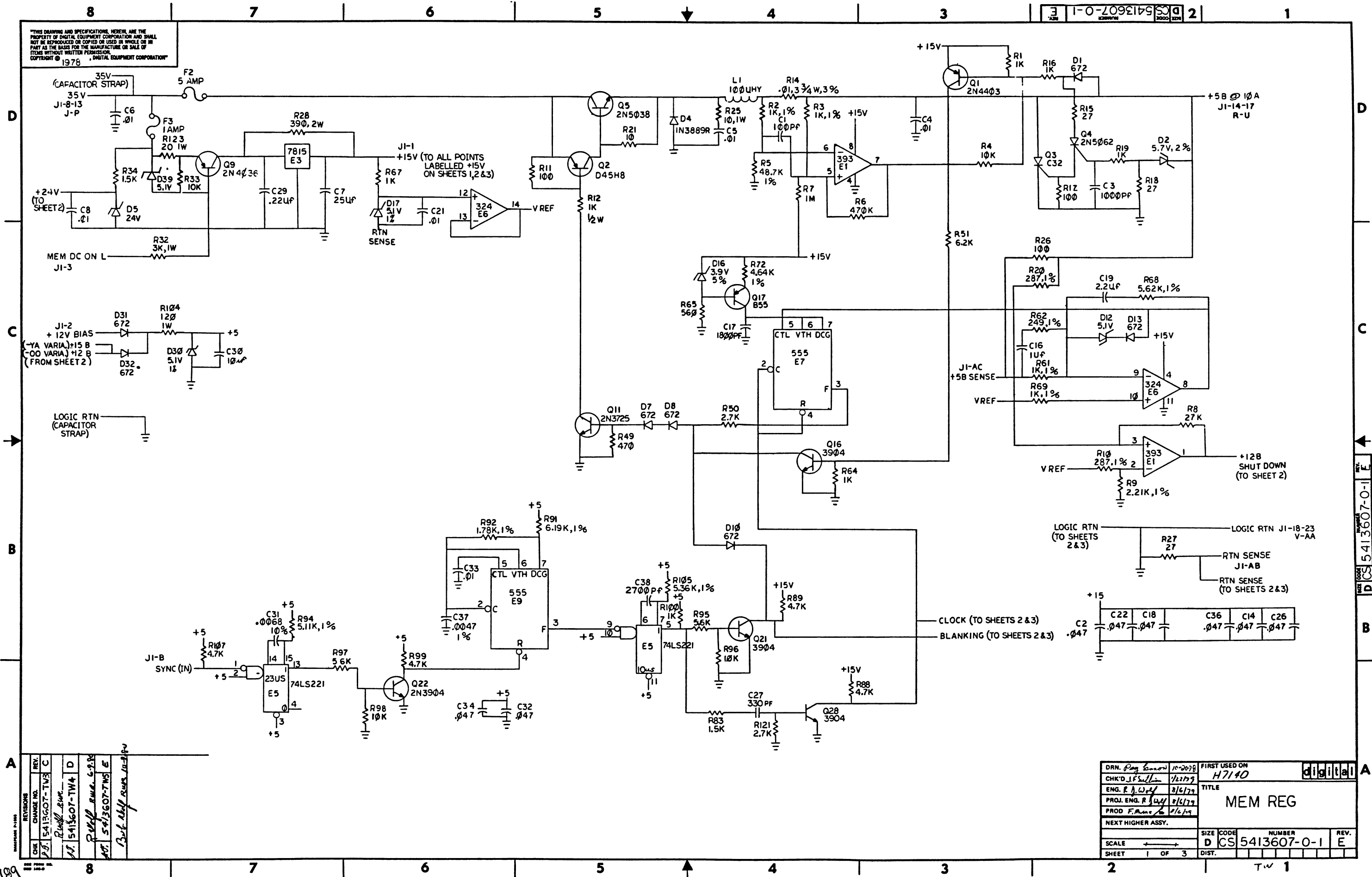
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION

REWORK INSTRUCTION
WIRE ADD SIDE I
0-1 FROM R18 (WRAP WIRE AROUND COMPONENT LEAD) TO Q3 CATHODE (GND) (USE ITEM 144.)

REVISION HISTORY		
DATE	ECO NUMBER	REV

DOCUMENT NUMBER		
SIZE	CODE	NUMBER
D	UA	5413607-0-0
SCALE		REV.
1:1		E

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION

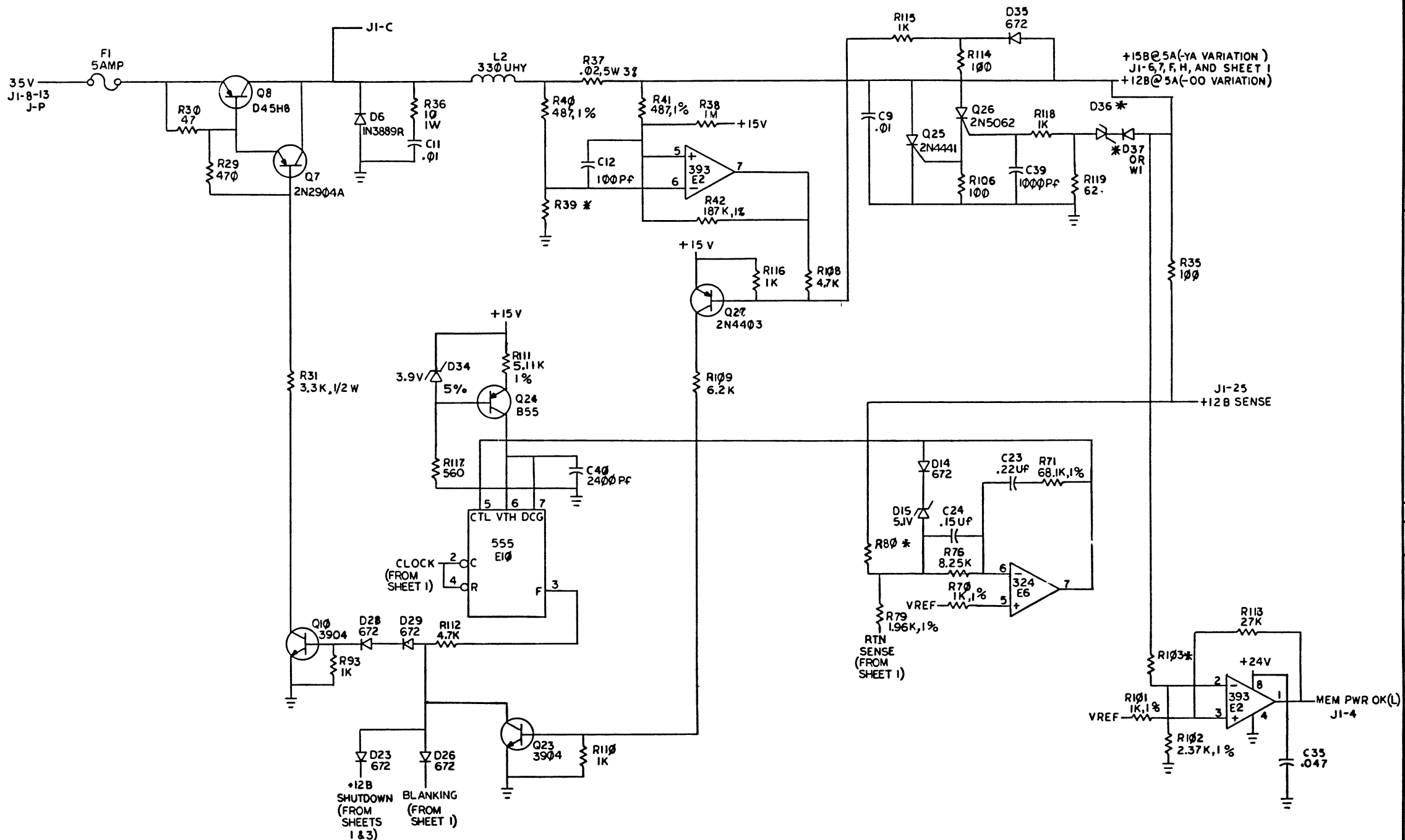


"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION" 1978

*

COMPONENT DESIGNATOR	-00 VARIATION	-YA VARIATION
D36	13V, 5%	18V, 5%
R39	39.2K, 1%	48.7K, 1%
R80	2.67K, 1%	3.83K, 1%
R103	2.67K, 1%	3.83K, 1%
D37	672	—
W1	—	JUMPER

LOGIC RTN
(FROM SHEET 1)



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
MEM REG		D CS	5413607-0-1	E
SCALE	SHEET 2 OF 3	DIST.	TRV 1	

REV. E
NUMBER
D CS 5413607-0-1

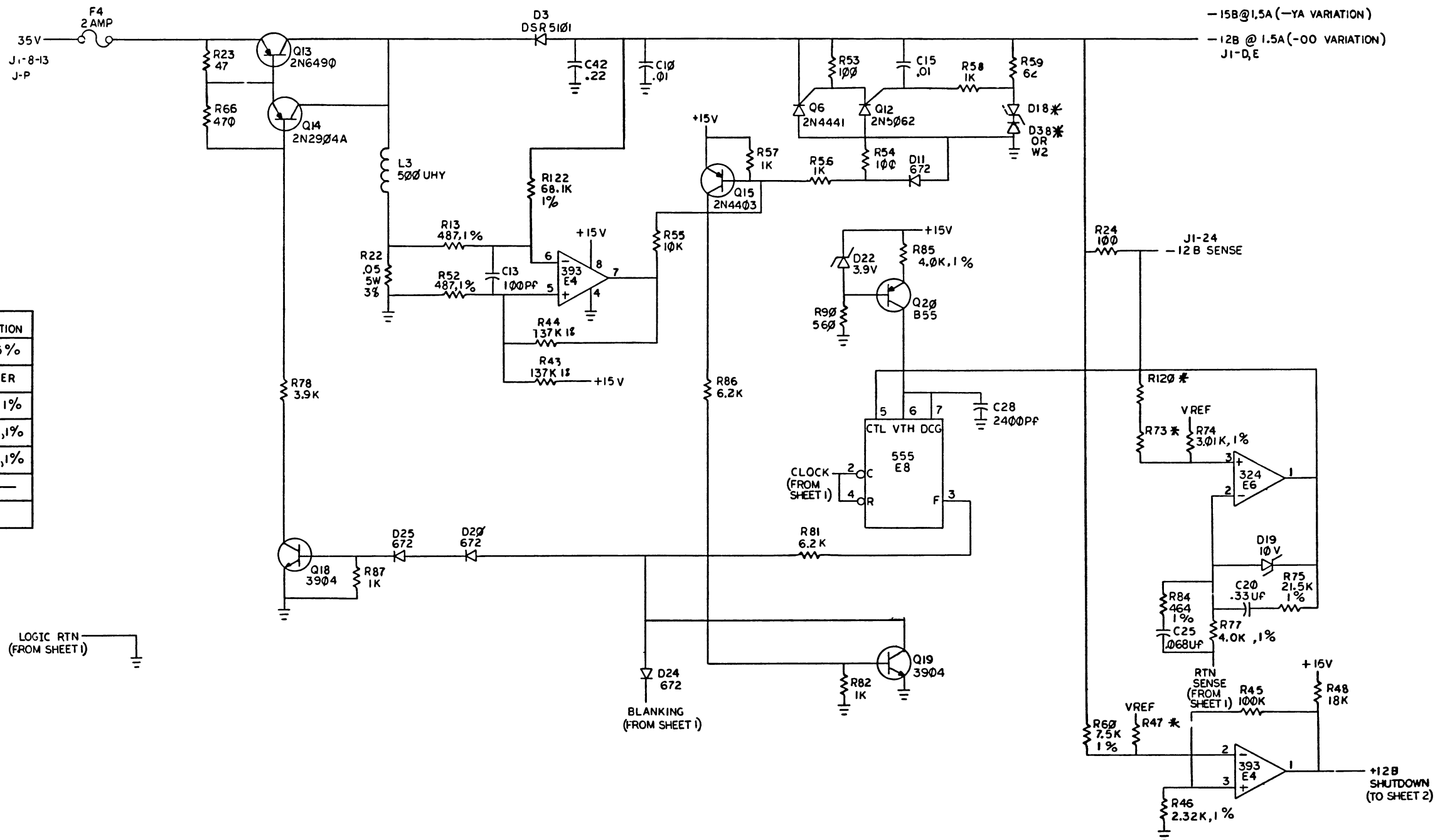
190

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
 COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION

DCS 5413607-0-1

*

COMPONENT DESIGNATOR	-00 VARIATION	-YA VARIATION
D18	13V, 5%	18V, 5%
W2	—	JUMPER
R41	3.48K, 1%	2.8K, 1%
R73	5.62K, 1%	5.36K, 1%
R120	1.47K, 1%	3.48K, 1%
D38	672	—



REVISIONS

CHK	CHANGE NO	REV.

TITLE MEM REG

SIZE CODE NUMBER DCS 5413607-0-1 REV. E

SCALE SHEET 3 OF 3 DIST. TW 1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00	YA	
1	1	D-MD-5013606-0-0	5013606-00	DRILL & ETCH BD	1	1	
2	2		1004813-00	10 MFD 20V 10% S.TANT	1	1	C30
3	3		1000042-00	1000.0 MMF 100V 5%200PPM MICA	2	2	C3,C39
4	4		1000052-00	.068 MFD 100V 10% MYLR	1	1	C25
5	5		1000060-00	6800.0 MMF 200V 10% MYLR	1	1	C31
6	6		1000075-00	25 MFD 25V +75-10% AL EL	1	1	C7
7	7		1001610-01	.01 MFD50/100V +80-20% DISC	10	10	C4-C6,C8-C11,C21,C33,C15
8	8		1001776-00	1 MFD 35V 10% S.TANT	1	1	C16
9	9		1001636-00	2400.0 MMF 100V 5%200PPM MICA	2	2	C28,C40
10	10		1014170-00	2700.0 MMF 100V 1% 70PPM MICA	1	1	C38
11	11		1002627-00	2.2MFD 20V 10% S.TANT	1	1	C19
12	12		1005328-00	.33 MFD 10V 10% S.TANT	1	1	C20
13	13		1009312-00	.0047 MFD 100V 1% MYLR	1	1	C37
14	14		1010274-01	.22 MFD 50V +80-20% Z5U CER	1	1	C29
15	15		1011740-02	1800.0 MMF 50V 10% CER	1	1	C17
16	16		1011895-00	.15 MFD 35V 10% S.TANT	1	1	C24
17	17		1012784-00	.047 MFD 50V +80-20% CER	9	9	C2,C14,C18,C22,C26,C32,C34-C36
18	18		1100122-00	1N 748A VZ= 3.9 5%	3	3	D16,D22,D34
19	19		1105275-00	D 672 TR= 15NS PIV= 60V SI	19	-	D1,D7,D8,D10,D11,D13,D14,D20, D23-D26,D28,D29,D31,D32,D35,D37, D38
		CONT			-	17	D1,D7,D8,D10,D11,D13,D14,D20, D23-D26,D28,D29,D31,D32,D35
20	20		1100125-00	1N 758A VZ= 10.0 5% .40W FPE	1	1	D19
21	21		1105871-00	1/4M5.1A Z1 = 5.1 1% .25W N	3	3	D17,D30,D39
22	22		1109988-00	1N 964B VZ= 13.0 5% .40W	2	-	D18,D36
23	23		1110491-01	1N 3889R PIV=50 I=12A D04	2	2	D4,D6
24	24		1110713-00	SZ710910 VZ= 5.1 2% M	2	2	D12,D15
25	25		1110856-00	1N 970B VZ= 24.0 5% .40W Y	1	1	D5
26	26		1111205-00	SCREENED VZ= 5.7 2% .40W	1	1	D2

REVISION HISTORY			BASIC PART NO: 5413607			DRN: J.FERGUSON			DATE: 06-AUG-80			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: J.FERGUSON			DATE: 06-AUG-80			TITLE PARTS LIST		
	TW005	H	SECTION.VARIATION INDEX			DES.ENG: B.WOLF			DATE: 06-AUG-80			MEMORY REG		
			[A] 00,YA			RESP.ENG.: B.WOLF			DATE: 06-AUG-80			DOCUMENT NUMBER		
			[B]			MFG.ENG.: P.WAITKUS			DATE: 06-AUG-80			SIZE CODE NUMBER REV		
			[C]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:		
			[D]			D-UA-5413607-0-0			B-DD-5413607-0-0			Z0403H.PLS		
			[E]									EDIT #		
			[F]									38		
			[G]											
			[H]											
			[I]											
			[J]											
			[K]											
			[L]											
			[M]											
			[N]											

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION "

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER	VARIATION	REFERENCE DESIGNATOR
					00	YA		
27	27		1114602-00	UES1302 FIV=100V I= 4A	1	1		D3
28	28		1110968-00	2N 5062 SCR@100V I=.8A T092	3	3		Q4,Q12,Q26
29	29		1010978-40	.22 MFD 50V 10% CER	2	2		C23,C42
30	30		1210929-02	FUSE, SUB-MINI 1.000A, 125V, A	1	1		F3
31	31		1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A	2	2		F1,F2
32	32		1216112-03	HEADER.100 50FOS RT ANGLE	1	1		J1
33	33		1305127-00	4.0 K .25 W 1.0 % RN55D-F10	2	2		R77,R85
34	34		1304856-00	4.64 K .25 W 1.0 % RN55D-F10	1	1		R72
35	35		1304854-00	5.11 K .25 W 1.0 % RN55D-F10	2	2		R94,R111
36	36		1300391-00	1.50 K .25 W 5.0 % CC	2	2		R34,R83
37	37		1300316-00	470.0 .25 W 5.0 % CC	3	3		R29,R49,R66
38	38		1300447-00	4.70 K .25 W 5.0 % CC	6	6		R99,R107,R112,R98,R89,R108
39	39		1300229-00	100.0 .25 W 5.0 % CC	9	9		R11,R17,R24,R26,R35,R53,R54,
							CONT	R106,R114
40	40		1301317-00	10.0 .25 W 5.0 % CC	1	1		R21
41	41		1300364-00	1.0 K .50 W 5.0 % CC	1	1		R12
42	42		1300171-00	10.0 1.0 W 5.0 % CC	2	2		R25,R36
43	43		1313014-00	.01 3.75 W 3.0 % WW	1	1		R14
44	44		1301864-00	390.0 2.0 W 5.0 % CC	1	1		R28
45	45		1300479-00	10.0 K .25 W 5.0 % CC	5	5		R4,R33,R55,R96,R98
46	46		1309595-00	1.0 M .25 W 5.0 % CC	2	2		R7,R38
47	47		1303114-00	1.0 K .25 W 1.0 % RN55D-F10	6	6		R2,R3,R61,R69,R70,R101
48	48		1313842-00	48.70 K .25 W 1.0 % RN55D-F10	1	-		R5
			CONT		-	2		R5,R39
49	49		1300365-00	1.0 K .25 W 5.0 % CC	16	16		R1,R16,R19,R56-R58,R64,R67,R82,
							CONT	R87,R93,R100,R110,R115,R116,R118
50	50		1301522-00	27.0 .25 W 5.0 % CC	3	3		R15,R18,R27
51	51		1305114-00	3.48 K .25 W 1.0 % RN55D-F10	1	-		R47
			CONT		-	1		R120
52	52		1301890-00	560.0 .25 W 5.0 % CC	3	3		R65,R90,R117
53	53		1300426-00	2.70 K .25 W 5.0 % CC	2	2		R50,R121
54	54		1211751-00	FUSE, SUB-MINI, 2.000A, 125V, A	1	1		F4
55	55		1305128-00	5.62 K .25 W 1.0 % RN55D-F10	2	-		R68,R73
			CONT		-	1		R68
56	56		1303044-00	100.0 K .25 W 1.0 % RN55D-F10	1	1		R45
57	57		1309787-00	249.0 .25 W 1.0 % RN55E-F 2	1	1		R62
58	58		1310876-03	.05 5.0 W 3.0 % WW	1	1		R22
59	59		1305124-00	287.0 .25 W 1.0 % RN55D-F10	2	2		R10,R20
60	60		1310631-00	2.21 K .25 W 1.0 % RN55D-F10	1	1		R9
61	61		1313341-00	5.36 K .25 W 1.0 % RN55D-F10	1	-		R105
			CONT		-	2		R105,R73
62	62		1302612-00	1.78 K .25 W 1.0 % RN55D-F10	1	1		R92
63	63		1300202-00	47.0 .25 W 5.0 % CC	2	2		R23,R30
64	64		9006801-00	SPACER, HEX, ALUM, .138 ID X .3	1	1		
65	65		1311845-00	487.0 .25 W 1.0 % RN55D-F10	4	4		R13,R40,R41,R52
66	66		1305265-00	39.20 K .25 W 1.0 % RN55D-F10	1	-		R39
67	67		1310876-00	.02 5.0 W 3.0 % WW	1	1		R37
68	68		1312984-00	187.0 K .25 W 1.0 % RN55D-F10	1	1		R42

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MEMORY REG				5413607-0-DBP	H
									K	PL		

193

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER	VARIATION	REFERENCE DESIGNATOR
					00	YA		
69	69		9006026-01	SCREW,PAN,PHIL 6-32X 3/4 SS	1	1		
70	70		1300440-00	3.30 K .50 W 5.0 % CC	1	1		R31
71	71		1312929-00	62.0 .25 W 5.0 % CC	2	2		R59,R119
72	72		1305252-00	68.10 K .25 W 1.0 % RN55D-F10	2	2		R71,R122
73	73		1305325-00	8.25 K .25 W 1.0 % RN55D-F10	1	1		R76
74	74		9006653-00	WASHER, FLAT, .375 O.D. X .156 I	1	1		
75	75		9107560-03	WIRE,BUSS,18AWG	A/R	A/R		
76	76		1305546-00	27.0 K .25 W 5.0 % CC	2	2		R8,R113
77	77		1310634-00	2.67 K .25 W 1.0 % RN55D-F10	2	-		R80,R103
78	78		1310632-00	2.37 K .25 W 1.0 % RN55D-F10	1	1		R102
79	79		1301874-00	5.60 K .25 W 5.0 % CC	2	2		R95,R97
80	80		1300444-00	3.90 K .25 W 5.0 % CC	1	1		R78
81	81	BLANK		*** THIS ITEM IS NOT USED ***	-	-		
82	82		1303155-00	21.50 K .25 W 1.0 % RN55D-F10	1	1		R75
83	83		1314041-00	3.01 K .25 W 1.0 % RN55D-F10	1	1		R74
84	84		1312931-00	6.20 K .25 W 5.0 % CC	4	4		R51,R81,R86,R109
85	85		1000016-00	100.0 MMF 100V 5%200PPM MICA	3	3		C1,C12,C13
86	86		1304833-00	1.96 K .25 W 1.0 % RN55D-F10	1	1		R79
87	87		1305322-00	7.50 K .25 W 1.0 % RN55D-F10	1	1		R60
88	88		1312545-00	2.32 K .25 W 1.0 % RN55D-F10	1	1		R46
89	89		1300433-00	3.0 K 1.0 W 5.0 % CC	1	1		R32
90	90		1302398-00	470.0 K .25 W 5.0 % CC	1	1		R6
91	91		1000023-00	330.0 MMF 100V 5%200PPM MICA	1	1		C27
92	92		1302465-00	18.0 K .25 W 5.0 % CC	1	1		R48
93	93		1303047-00	464.0 .25 W 1.0 % RN55D-F10	1	1		R84
94	94		1305422-00	137.0 K .25 W 1.0 % RN55D-F10	2	2		R43,R44
95	95		1301838-00	120.0 1.0 W 5.0 % CC	1	1		R104
96	96		9107370-00	WIRE,STRND,14AWG,IPVC UL1534	A/R	A/R		
97	97		9008150-00	TERM LUG 1POS LOCKING,SOLDER	2	2		
98	98	BLANK		*** THIS ITEM IS NOT USED ***	-	-		
99	99		9007201-00	TRANSIPADS #10253	4	4		
100	100		9008268-00	COMPOUND, THERMAL JOINT	A/R	A/R		
101	101		1510928-00	C32AX135 SCR@100V I=25A	1	1		Q3
102	102		1505867-00	2N 4441 SCR@ 50V & 8A	2	2		Q6,Q25
103	103		1305108-00	1.47 K .25 W 1.0 % RN55D-F10	1	-		R120
104	104		1510969-00	2N 5038 NPN 140WC SI 90 50 Y	1	1		Q5
105	105		1510708-00	D 45H8 PNP 50WT SI 60 60 Y	2	2		Q2,Q8
106	106		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	1		Q11
107	107		1510706-01	B 55 PNP 500MW SI 60 50	3	3		Q17,Q20,Q24
108	108		1513490-00	2N 4403 PNP 350MW SI-40 30	3	3		Q1,Q15,Q27
109	109		1509524-00	2N 3904 NPN 310MW SI 40 40 M	8	8		Q10,Q16,Q18,Q19,Q21,Q22,Q23,Q28
110	110		1512652-00	2N 6490 PNP 50W SI 60 40	1	1		Q13
111	111		1501913-00	2N 2904A PNP 600MW SI 60 40 Y	2	2		Q7,Q14
112	112		1914473-02	7815A VOLT REG,FIX +15V	1	1		E3
113	113		1914156-00	LM 393 VOLT.COMPARATOR DUAL	3	3		E1,E2,E4
114	114		1912107-00	324 OP AMP,QUAD	1	1		E6
115	115		1911944-00	555CN TIMER,FUNCT,BLOCK	4	4		E7-E10
116	116		1912858-00	LS221 ONE SHOT-DUAL,SCHMIT	1	1		E5

! D ! I ! G ! I ! T ! A ! L !	TITLE	SECTION A OF A	! SIZE ! CODE !	DOCUMENT NUMBER	! REV !
! ! ! ! ! ! ! !	MEMORY REG	! ! ! ! ! ! ! !	! K ! FL !	5413607-0-DBP	! H !
! ! ! ! ! ! ! !		! ! ! ! ! ! ! !	! ! ! ! ! ! ! !		! ! ! ! ! ! ! !

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION		REFERENCE DESIGNATOR
					00	YA	
117	117		1616212-00	80.0 UH 12.SA	1	1	L1
118	118		1616210-00	250.0 UH @ 6.5A DC,600,0 UH @	1	1	L2
119	119		1616211-00	350.0 UH 3A	1	1	L3
120	120		7422046-00	HEAT SINK,SINGLE	3	3	
121	121		7422047-01	HEAT SINK DOUBLE	2	2	
122	122		1213426-03	HEAT SINK TO-3 1"HIGH	1	1	
123	123		1214789-00	INSERT,THREADED 6-32 ,BRASS,ELEC	2	2	
124	124		9009769-00	WASHER, RECTANGULAR .405X.225X.0	3	3	
125	125		9010128-00	SCREW,TAPPING,TYPE PAN ,PHIL,	7	7	
126	126		9004024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	2	2	
127	127		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	3	3	
128	128		9006688-00	WASHER, LOCK, S.S. #4	3	3	
129	129		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	3	3	
130	130		9006041-01	SCREW,PAN,PHIL 8-32X 3/4 SS	2	2	
131	131		9006802-00	SPACER, HEX, ALUM, .164 ID X .3	2	2	
132	132		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	2	2	
133	133		9007801-00	WASHER, LOCK, S.S. #6	3	3	
134	134		9006690-00	WASHER, LOCK, S.S. #8	2	2	
135	135		9006660-00	WASHER, FLAT, .375 O.D. X .187 I	2	2	
136	136		9009005-00	NUT,HEX , 10-32 X1/4 AF X 3	2	2	
137	137		9007906-00	WASHER, LOCK S.S. #10	2	2	
138	138		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	-	2	W1,W2
139	139	BLANK		*** THIS ITEM IS NOT USED ***	-	-	
140	140		1509700-00	2N 4036 PNP 7WC SI 80100 M	1	1	Q9
141	141	BLANK		*** THIS ITEM IS NOT USED ***	-	-	
142	142		1314187-00	6.19 K .25 W 1.0 % RN55D-F10	1	1	R91
143	143	BLANK		*** THIS ITEM IS NOT USED ***	-	-	
144	144		9107688-55	WIRE(WRAP)24AWG UL1327	A/R	A/R	
145	145		1110766-00	1N 5248B VZ= 18.0 5% .50W	-	2	D18,D36
146	146		1309413-00	3.83 K .25 W 1.0 % RN55D-F10	-	2	R80,R103
147	147		1305145-00	2.80 K .25 W 1.0 % RN55D-F10	-	1	R47
148	148		1312993-00	20.0 1.0 W 5.0 % CC	1	1	R123

149 NOTE: ITEM #75; .17' IS USED.
150 NOTE: ITEM #144; .19' IS USED.
151 NOTE: ITEM #96; .56' IS USED.

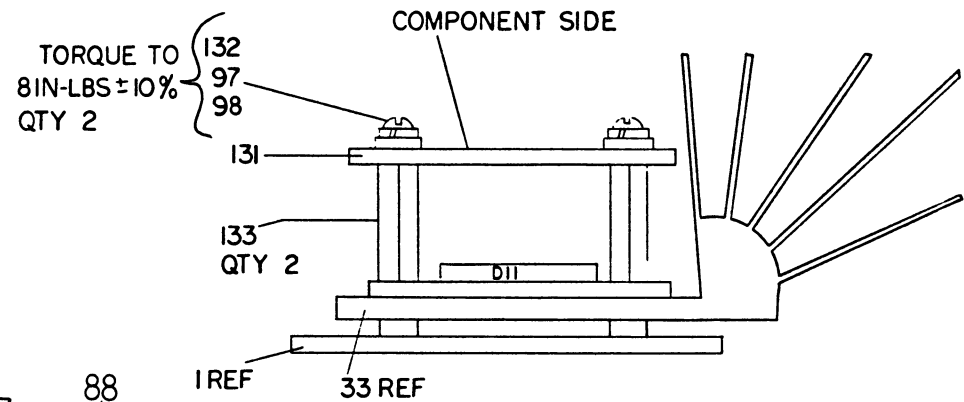
TITLE										SECTION A OF A		SIZE	CODE	DOCUMENT NUMBER	REV
D	I	G	I	T	A	L	MEMORY REG								
												K	PL	5413607-0-DBP	H

195

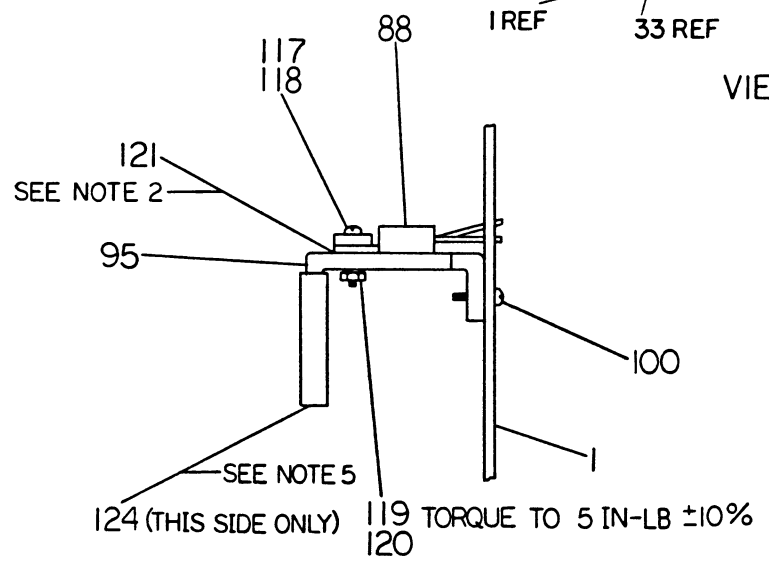
TW

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF AEGION ELECTRONIC CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART OR THE DATA FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 AEGION ELECTRONIC CORPORATION

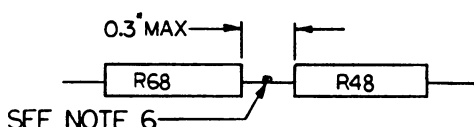
COMPONENT SIDE VIEW



VIEW F-F



VIEW C-C
SCALE: 2/1



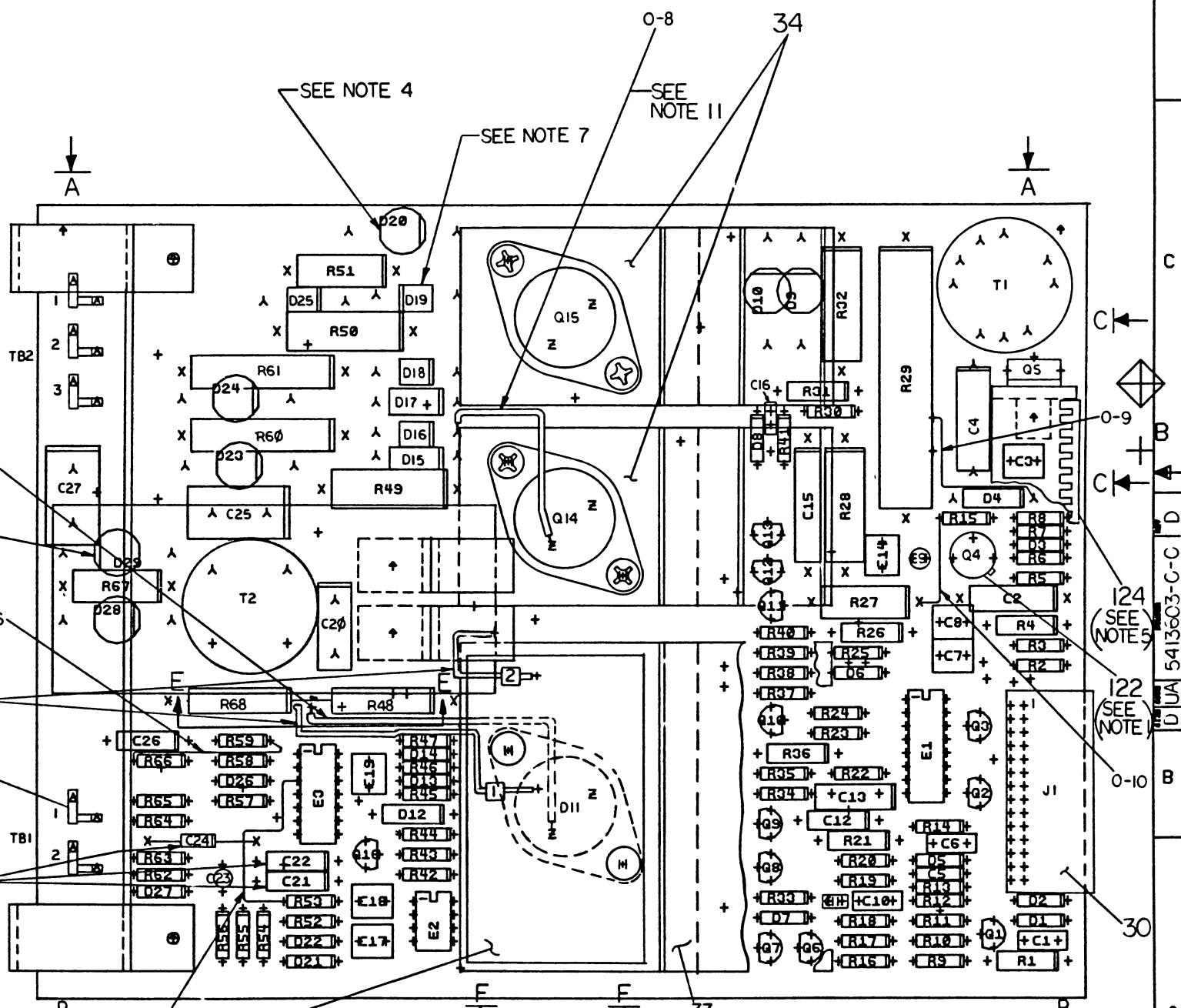
VIEW E-E
SCALE: 2/1

- 5 APPLY GROMMET (ITEM 124) TO HEAT SINK (ITEM 95) USING PERMABOND (ITEM 126). (USE ONLY ON SIDE INDICATED)
- 6 R48 & R68 ARE CONNECTED BY TWISTING ONE LEAD OF R68 WITH ONE LEAD OF R48 AND SOLDERING. THE SPECIFIED SPACING BETWEEN THE BODIES OF THE RESISTORS MUST NOT BE EXCEEDED AND ALL EXTRA LEAD MATERIAL MUST BE REMOVED
- 7 D19 & D29 HAVE CATHODES IN OPPOSITE DIRECTION TO OTHER DIODES ON BOARD.
- 8 APPLY INSULATING SLEEVING (ITEM 127) TO EACH LEAD OF C24, C22 & C21
- 9 POSITIVE TERMINAL OF CAP. C28 (ITEM 16) IS CONNECTED TO THIS CAPACITOR STRAP (ITEM 103).
- 10 NEGATIVE TERMINAL OF CAPACITOR C28 (ITEM 16) IS CONNECTED TO THIS CAPACITOR STRAP (ITEM 103).
11. USE 22 AWG BUS WIRE (ITEM 129) AND APPLY INSULATING SLEEVING (ITEM 127) TO REWORK INSTRUCTION *0-7 & 0-8
- 12 REMOVE ENTIRE ETCH BETWEEN CUT MARKS FOR REWORK INSTRUCTIONS *0-1, 0-2 & 0-4.
- 13 Q5 MUST BE MOUNTED TO HEATSINK BEFORE BEING ATTACHED TO P.C.B.

NOTES: 1 USE TRANSIPAD (ITEM 122) UNDER Q4
2. USE THERMAL COMPOUND (ITEM 121) BETWEEN D11, Q5, Q14, Q15 AND HEAT SINKS
3 APPLY GROMMET (ITEM 112) TO XFMR MTG. BRKT (ITEM 107) USING PERMABOND (ITEM 126). (APPLY ONLY IN AREA INDICATED)
4 RAISE R29, R48, R60, R61, R32, R49, R67, D9, R68, D20, D23, D24, D28 AND D29 .100" TO .150" OFF PC BOARD.

CHK	CHANGE	NO	REV	DATE	BY	APP
1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
21	21	21	21	21	21	21
22	22	22	22	22	22	22
23	23	23	23	23	23	23
24	24	24	24	24	24	24
25	25	25	25	25	25	25
26	26	26	26	26	26	26
27	27	27	27	27	27	27
28	28	28	28	28	28	28
29	29	29	29	29	29	29
30	30	30	30	30	30	30
31	31	31	31	31	31	31
32	32	32	32	32	32	32
33	33	33	33	33	33	33
34	34	34	34	34	34	34
35	35	35	35	35	35	35
36	36	36	36	36	36	36
37	37	37	37	37	37	37
38	38	38	38	38	38	38
39	39	39	39	39	39	39
40	40	40	40	40	40	40
41	41	41	41	41	41	41
42	42	42	42	42	42	42
43	43	43	43	43	43	43
44	44	44	44	44	44	44
45	45	45	45	45	45	45
46	46	46	46	46	46	46
47	47	47	47	47	47	47
48	48	48	48	48	48	48
49	49	49	49	49	49	49
50	50	50	50	50	50	50
51	51	51	51	51	51	51
52	52	52	52	52	52	52
53	53	53	53	53	53	53
54	54	54	54	54	54	54
55	55	55	55	55	55	55
56	56	56	56	56	56	56
57	57	57	57	57	57	57
58	58	58	58	58	58	58
59	59	59	59	59	59	59
60	60	60	60	60	60	60
61	61	61	61	61	61	61
62	62	62	62	62	62	62
63	63	63	63	63	63	63
64	64	64	64	64	64	64
65	65	65	65	65	65	65
66	66	66	66	66	66	66
67	67	67	67	67	67	67
68	68	68	68	68	68	68
69	69	69	69	69	69	69
70	70	70	70	70	70	70
71	71	71	71	71	71	71
72	72	72	72	72	72	72
73	73	73	73	73	73	73
74	74	74	74	74	74	74
75	75	75	75	75	75	75
76	76	76	76	76	76	76
77	77	77	77	77	77	77
78	78	78	78	78	78	78
79	79	79	79	79	79	79
80	80	80	80	80	80	80
81	81	81	81	81	81	81
82	82	82	82	82	82	82
83	83	83	83	83	83	83
84	84	84	84	84	84	84
85	85	85	85	85	85	85
86	86	86	86	86	86	86
87	87	87	87	87	87	87
88	88	88	88	88	88	88
89	89	89	89	89	89	89
90	90	90	90	90	90	90
91	91	91	91	91	91	91
92	92	92	92	92	92	92
93	93	93	93	93	93	93
94	94	94	94	94	94	94
95	95	95	95	95	95	95
96	96	96	96	96	96	96
97	97	97	97	97	97	97
98	98	98	98	98	98	98
99	99	99	99	99	99	99
100	100	100	100	100	100	100

14. TACK SOLDER LEAD #1 TO ETCH UNDER R68 AND USE PTH NEAR HEATSINK (ITEM 33) FOR LEAD #2.

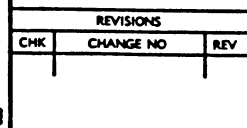


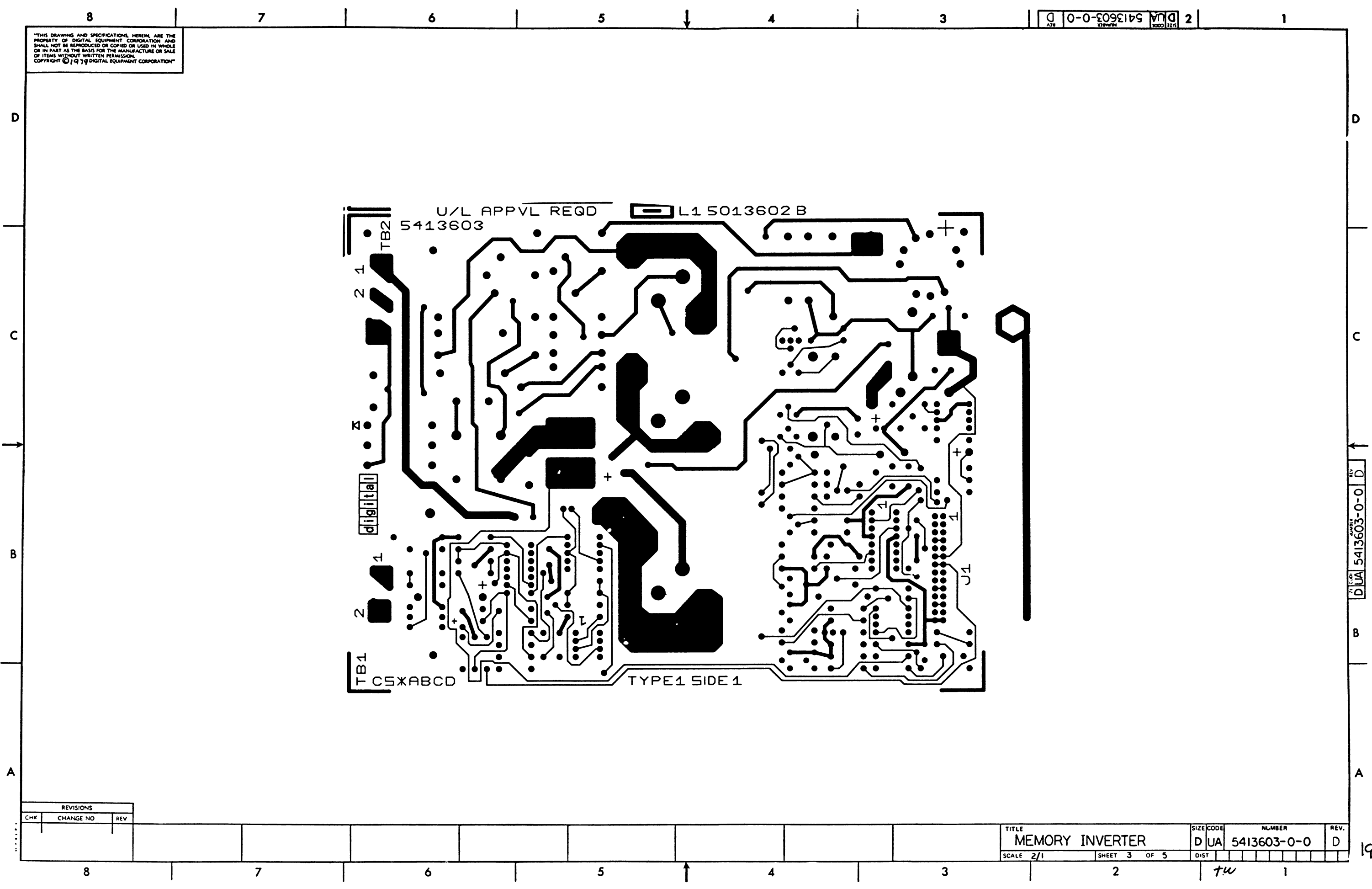
ETCH REV.	P.C. DESIGN DATA BASE REV.
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

SIGNATURES	DATE	TITLE
DRN. <i>[Signature]</i>	7-27-79	digital
CHK. <i>[Signature]</i>	7-27-79	
ENG. <i>[Signature]</i>	7-27-79	
PROJ. ENG. <i>[Signature]</i>	7-27-79	
PROD. <i>[Signature]</i>	7-27-79	
SCALE 2/1		
SHT. 1 OF 5		
NEXT HIGHER ASSY.		
SIZE CODE	NUMBER	REV
0 UA 5413603-0-01 D		

1 MS#

96





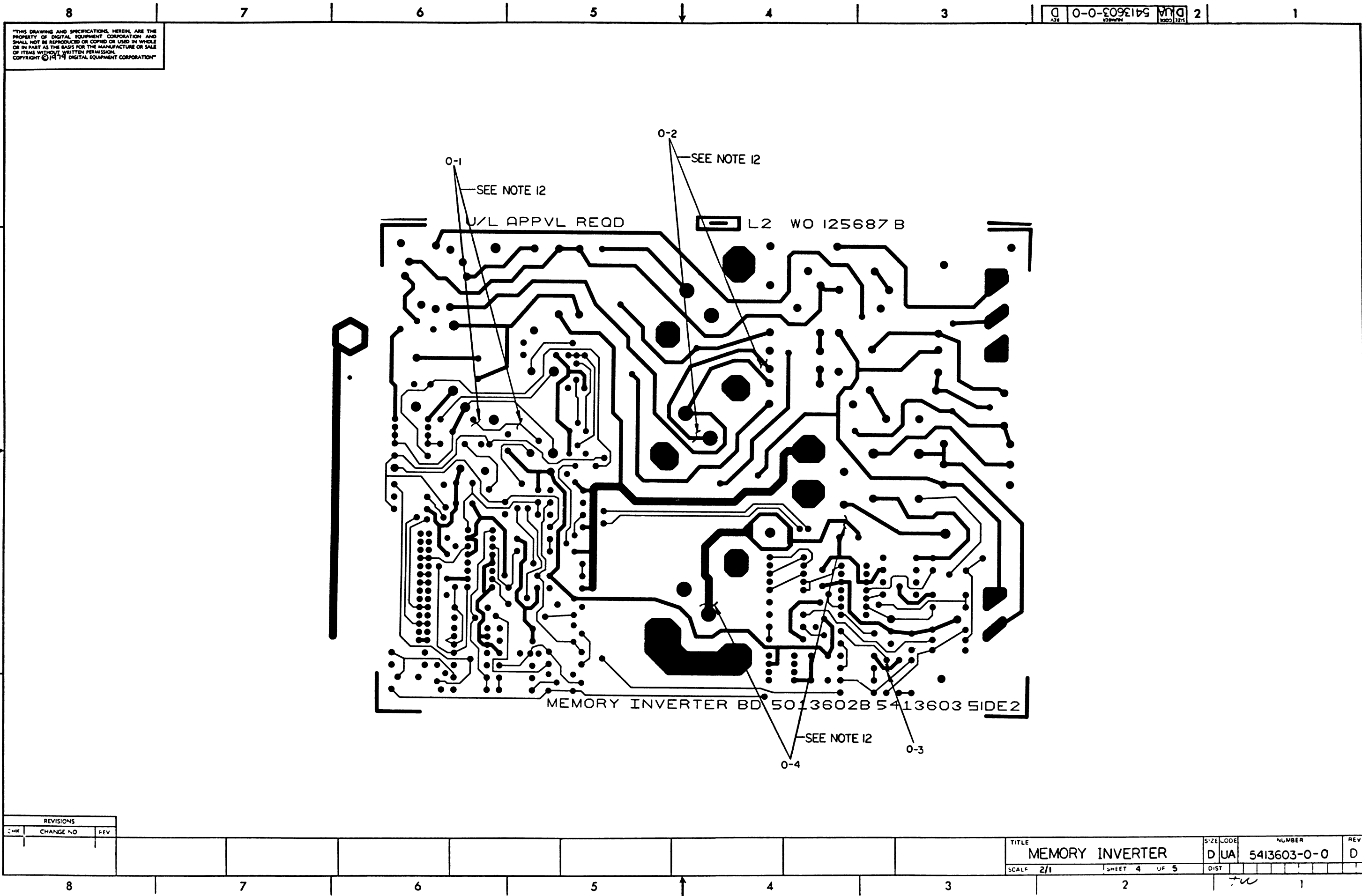
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"

REV	5413603-0-0	D	2	1
-----	-------------	---	---	---

REVISIONS		
CHK	CHANGE NO	REV

TITLE	SIZE CODE	NUMBER	REV.
MEMORY INVERTER	D UA	5413603-0-0	D
SCALE 2/1	SHEET 3 OF 5	DIST	

198



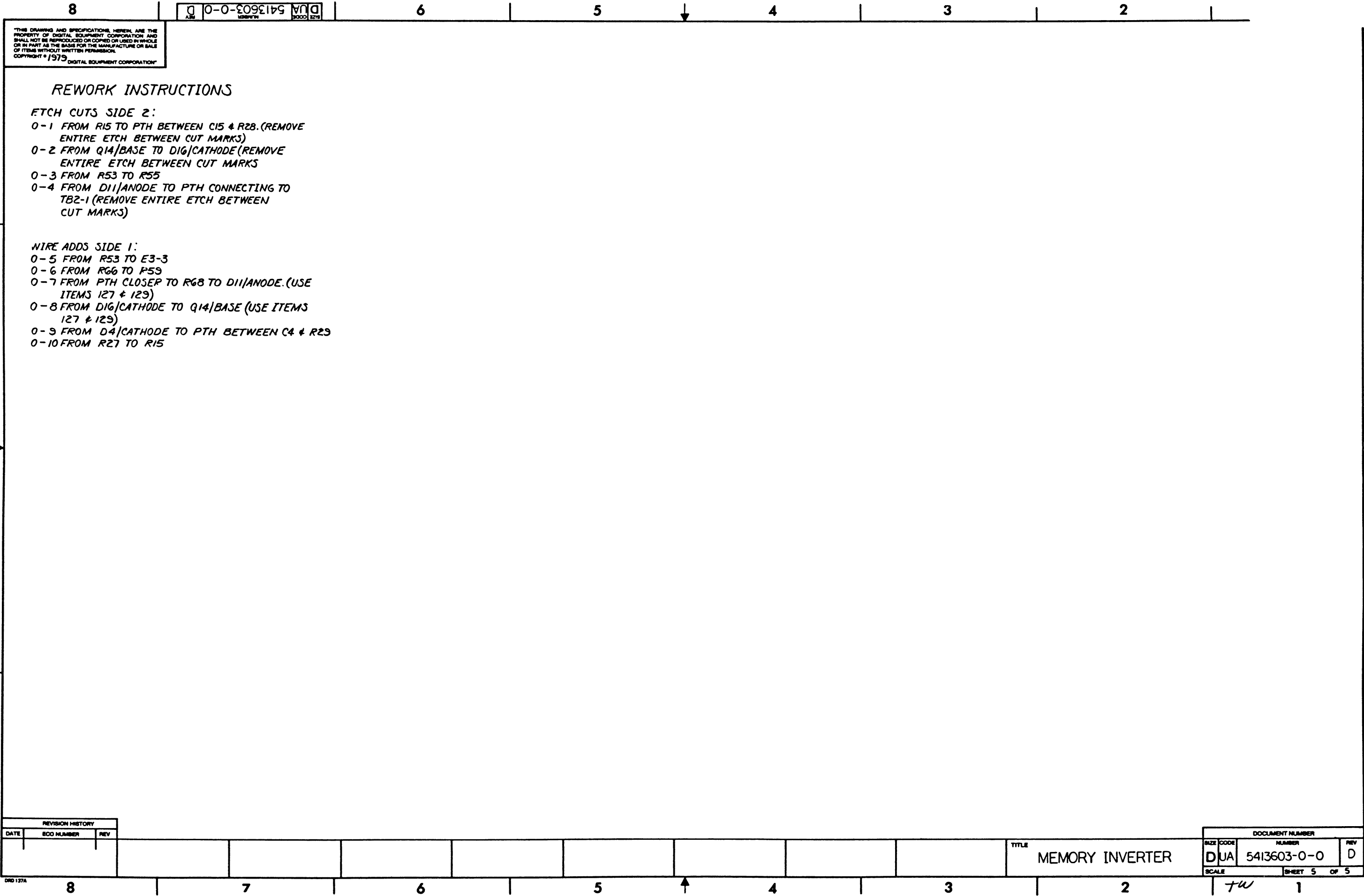
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE
PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND
SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE
OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE
OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1974 DIGITAL EQUIPMENT CORPORATION

1 2 3 4 5 6 7 8
D 5413603-0-0 D 2 1

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER		REV
MEMORY INVERTER		D	UA	5413603-0-0		D
SCALE	2/1	SHEET 4 OF 5		DIST		

199



REWORK INSTRUCTIONS

ETCH CUTS SIDE 2:

- 0-1 FROM R15 TO PTH BETWEEN C15 & R28. (REMOVE ENTIRE ETCH BETWEEN CUT MARKS)
- 0-2 FROM Q14/BASE TO D16/CATHODE (REMOVE ENTIRE ETCH BETWEEN CUT MARKS)
- 0-3 FROM R53 TO R55
- 0-4 FROM D11/ANODE TO PTH CONNECTING TO TB2-1 (REMOVE ENTIRE ETCH BETWEEN CUT MARKS)

WIRE ADDS SIDE 1:

- 0-5 FROM R53 TO E3-3
- 0-6 FROM R66 TO P59
- 0-7 FROM PTH CLOSER TO R68 TO D11/ANODE. (USE ITEMS 127 & 129)
- 0-8 FROM D16/CATHODE TO Q14/BASE (USE ITEMS 127 & 129)
- 0-9 FROM D4/CATHODE TO PTH BETWEEN C4 & R23
- 0-10 FROM R27 TO R15

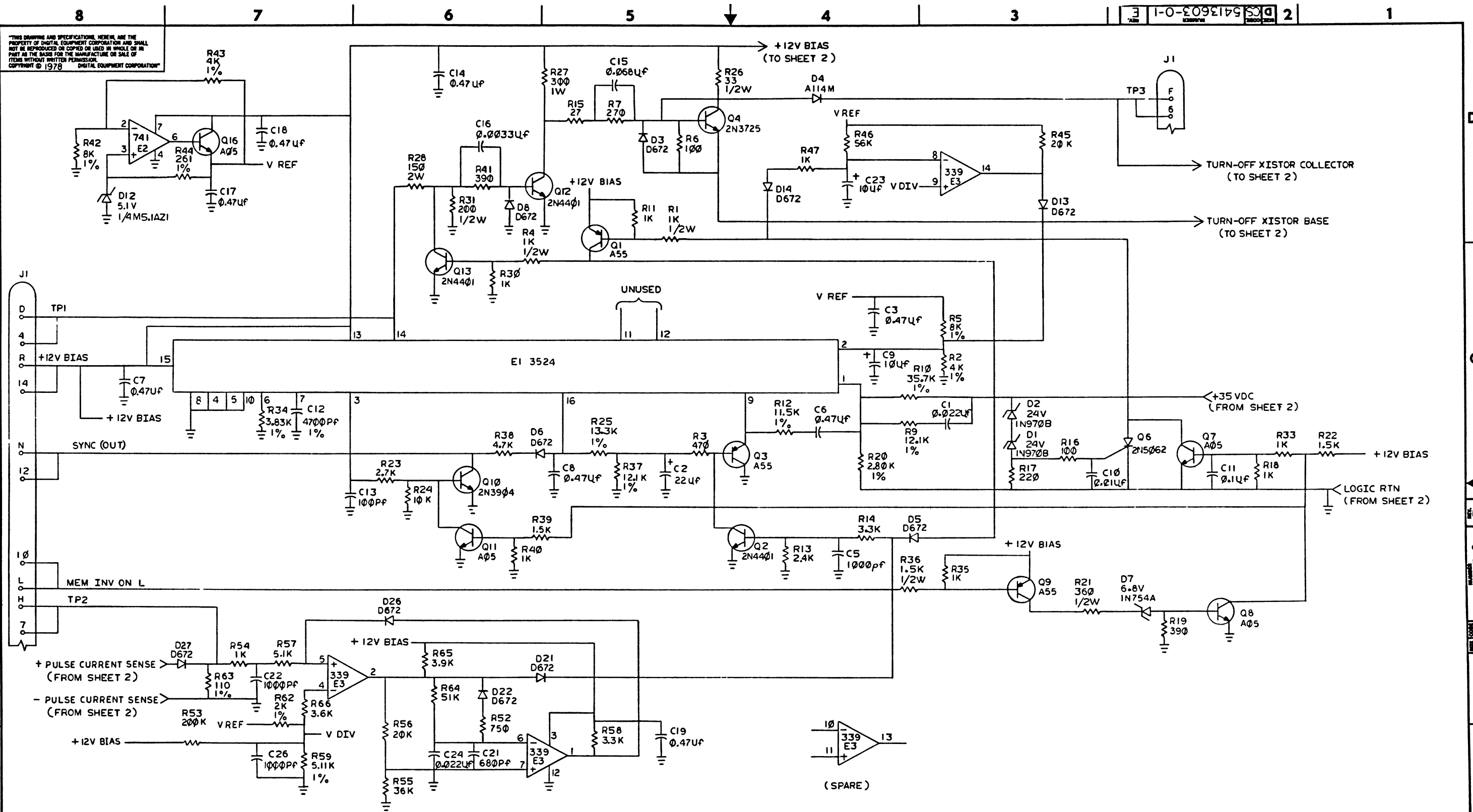
REVISION HISTORY		
DATE	ECO NUMBER	REV

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV
D	UA	5413603-0-0	D
SCALE		SHEET	OF
		5	5

TITLE
MEMORY INVERTER

200

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION
COPYRIGHT © 1978

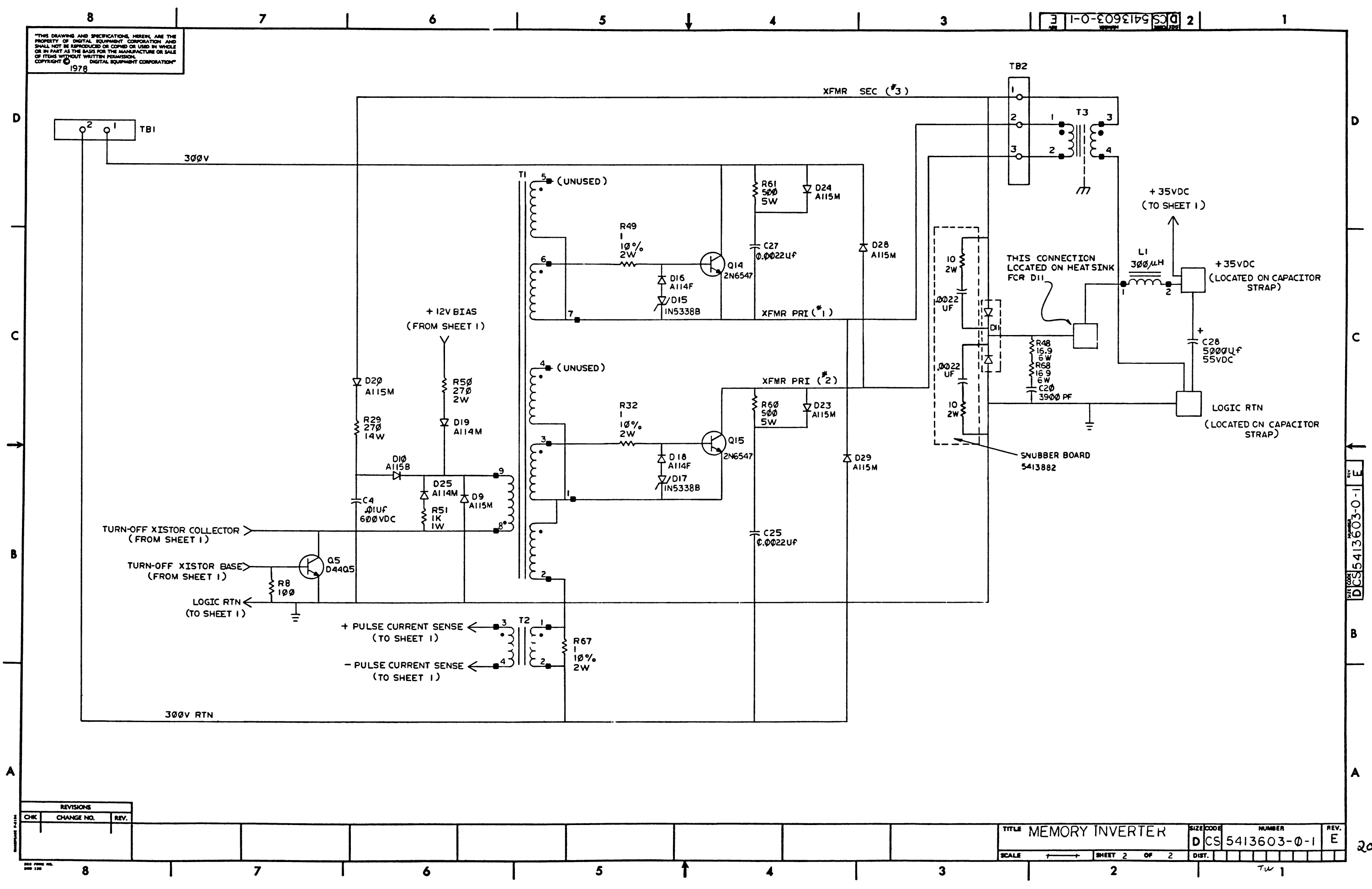


REV.	CHG.	NO.	DATE	BY	CHK.
1		1	24 APR 80	R. RICHARD	
2		2	29 APR 80	R. RICHARD	
3		3	1 MAY 80	R. RICHARD	
4		4	11 MAY 80	R. RICHARD	
5		5	11 MAY 80	R. RICHARD	
6		6	11 MAY 80	R. RICHARD	
7		7	11 MAY 80	R. RICHARD	
8		8	11 MAY 80	R. RICHARD	
9		9	11 MAY 80	R. RICHARD	
10		10	11 MAY 80	R. RICHARD	
11		11	11 MAY 80	R. RICHARD	
12		12	11 MAY 80	R. RICHARD	
13		13	11 MAY 80	R. RICHARD	
14		14	11 MAY 80	R. RICHARD	
15		15	11 MAY 80	R. RICHARD	
16		16	11 MAY 80	R. RICHARD	
17		17	11 MAY 80	R. RICHARD	
18		18	11 MAY 80	R. RICHARD	
19		19	11 MAY 80	R. RICHARD	
20		20	11 MAY 80	R. RICHARD	

DRN 12-10-78	FIRST USED ON	digital
CHK'D 12-10-78		
ENG. R. RICHARD	7-27-79	
PROJ. ENG. R. RICHARD	7-27-79	
PROD. F. Y. M.	7-15-79	
NEXT HIGHER ASSY.		
SCALE		
SHEET 1 OF 2	DIST.	
SIZE CODE	NUMBER	REV.
D CS	5413603-0-1	E

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION"

DCS 5413603-0-1 E



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
MEMORY INVERTER		D	CS 5413603-0-1	E
SCALE	SHEET 2 OF 2	DIST.	Tw 1	

202

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5013602-0-0	5013602-00	DRILL & ETCH BD	1
2	2		1000016-00	100.0 MMF 100V 5%200PPM MICA	1
3	3		1000052-00	.068 MFD 100V 10% MYLR	1
4	4		1012783-00	.022 MFD 50V +80-20% CER	1
5	5		1005636-00	22 MFD 6V 10% S.TANT	1
6	6		1009312-00	.0047 MFD 100V 1% MYLR	1
7	7		1010279-00	.47 MFD 25V 20% CER	8
8	8		1010978-24	.01 MFD 50V 10% CER	1
9	9		1011740-01	3300.0 MMF 50V 10% CER	1
10	10		1011683-00	.022 MFD 50V 10% CER	1
11	11		1013466-08	680.0 MMF 50V 10% X7R CER	1
12	12		1013466-09	1000.0 MMF 50V 10% X7R CER	3
13	13		1011847-02	.01 MFD 600V 10% POLYPROP	1
14	14		1014139-00	.0022 MFD 600V 10% POLYPROP	2
15	15		1013397-00	3900.0 MMF 200V 10%200PPM MICA	1
16	16		1016168-00	5000 MFD 55V 20% AL EL	1
17	17		1010978-36	.1 MFD 50V 10% CER	1
18	18		1010866-02	10 MFD 25V +50-20% S.TANT	2
19	19		1105275-00	D 672 TR= 15NS PIV= 60V SI	10
20	20		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	1
21	21		1109991-00	1N 754A VZ= 6.8 5% .40W	1
22	22		1110856-00	1N 970B VZ= 24.0 5% .40W Y	2
23	23		1112594-01	A115B PIV=200 I= 3A	1
24	24		1112594-02	A115M PIV=600 I= 3A	6
25	25		1112595-00	A114F PIV= 50 I= 1A	2
26	26		1112595-02	A114M PIV=600 I= 1A	3
27	27		1114192-00	TR=200NS COM. CATHODE	1
28	28		1114435-00	1N 5338B VZ= 5.1 5% 5W	2
29	29		1110968-00	2N 5062 SCR@100V I=.8A T092	1

CONT

REVISION HISTORY			BASIC PART NO: 5413603			DRN: K.SHEYTANIAN			DATE: 20-DEC-78			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: F.GAROFALO			DATE:			TITLE PARTS LIST		
---	INIT	A	SECTION.VARIATION INDEX			DES.ENG: J.A.HERRMANN			DATE:			MEMORY INVERTER		
RW	5413603-TW001	B	[A] 00			RESP.ENG.: J.HERMANN			DATE: 20-DEC-78			DOCUMENT NUMBER		
AK	5413603-TW002	C	[B]			MFG.ENG.: J.COMELLA			DATE:			SIZE!CODE! NUMBER ! REV		
AK	5413603-TW002	C	[C]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:		
RW	5413603-TW003	D	[D]			D-UA-5413603-0-0						Z0401.PLS		
RW	5413603-TW004	E	[E]									EDIT #		
			[F]											
			[G]											
			[H]											
			[I]											
			[J]											
			[K]											
			[L]											
			[M]											
			[N]											
*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.														
COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION *														

SHEET A2 OF A4

! D	! I	! G	! I	! T	! A	! L	! TITLE	! SECTION A	! OF A	! SIZE	! CODE	! DOCUMENT NUMBER	! REV
							MEMORY INVERTER			K	FL	5413603-0-DBP	E

TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
78	78		1300389-00	*** THIS ITEM IS NOT USED ***	-	
79	79		1302381-00	200.0 .50 W 5.0 % CC	1	R31
80	80		1300368-00	1.0 K 1.0 W 5.0 % CC	1	R51
81	81		1300391-00	1.50 K .25 W 5.0 % CC	2	R39,R22
82	82		1302395-00	56.0 K .25 W 5.0 % CC	1	R46
83	83		1510705-00	XA 05 NPN 500MW SI 60 50 P	4	Q7,Q8,Q11,Q16
84	84		1510706-00	XA 55 PNP 500MW SI 60 50 P	3	Q1,Q3,Q9
85	85		1510959-00	2N 3725 NPN 3.5WC SI 50 60 P	1	Q4
86	86		1513489-00	2N 4401 NPN 350MW SI 40 20	3	Q2,Q12,Q13
87	87		1514195-00	2N 6547 PNP 400V SI 15A	2	Q14,Q15
88	88		1514271-01	D 44Q5 NPN 31W SI225 30	1	Q5
89	89		1509524-00	2N 3904 NPN 310MW SI 40 40 M	1	Q10
90	90		1614202-00	XFMR,CURRENT	1	T2
91	91		1614204-00	PULSE XFMR 20312 BASE DRIVE	1	T1
92	92		1910298-00	741 OP AMP GEN PURP. COM	1	E2
93	93		1912108-00	339 VOLT CMPRTR,QUAD	1	E3
94	94		1914250-00	3524 MODULATOR-REGULATING	1	E1
95	95		7422046-00	HEAT SINK,SINGLE	1	
96	96		9006025-01	SCREW,PAN,PHIL 6-32X 5/8 SS	4	
97	97		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	8	
98	98		9007801-00	WASHER, LOCK, S.S. #6	9	
99	99		9007836-00	EYELET, ROLLED FLANGE, .121 OD X	6	
100	100		9010128-00	SCREW,TAPPING,TYPE PAN ,PHIL,	1	
101	101		7016051-00	TRANSFORMER ASSY	1	T3
102	102		7016052-00	CHOKE ASSY	1	L1
103	103		1303177-00	2.40 K .25 W 5.0 % CC	1	R13
104	104		1302860-00	11.50 K .25 W 1.0 % RN55D-F10	1	R12
105	105		1304854-00	5.11 K .25 W 1.0 % RN55D-F10	1	R59
106	106		1300411-00	2.0 K .25 W 1.0 % RN55D-F10	1	R62
107	107		7421435-00	MTG BRKT	1	
108	108		9009052-00	*** THIS ITEM IS NOT USED ***	-	
109	109		7422045-00	CAPACITOR STRAP	2	
110	110		9009708-00	SCREW,PAN,PHIL,TAP'G 6-32X	8	
111	111		9009617-00	TIE,CABLE BUNDL,DIA 0-3'TYPE=101	2	
112	112		9007035-00	GROMMET #122-37-1500	A/R	
113	113		9006071-01	SCREW,PAN,PHIL 10-32X 3/8 SS	2	
114	114		9007906-00	WASHER, LOCK S.S. #10	2	
115	115		9009243-00	*** THIS ITEM IS NOT USED ***	-	
116	116		9006024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	1	
117	117		9009769-00	WASHER, RECTANGULAR .405X.225X.0	1	
118	118		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	1	
119	119		9006688-00	WASHER, LOCK, S.S. #4	1	
120	120		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	1	
121	121		9008268-00	COMPOUND, THERMAL JOINT	A/R	
122	122		9007201-00	TRANSIPADS #10253	1	
123	123		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
124	124		9007036-00	GROMMET #122-37-2500	A/R	
125	125		1314516-00	200.0 K .25 W 5.0 % CC	1	R53

I	D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
I								MEMORY INVERTER		I	K	PL 5413603-0-DBP	E

205

TW

AUTOMATED BY PRTLST.2E(3)

PARTS LIST

SHEET A4 OF A4

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
126	126		9009157-00	ADH,LIQ,RM,TEMP CURING COLORLESS	A/R	
127	127		9107256-11	TUBING,THIN WALL,.027ID UL	A/R	
128	128		7016920-00	JUMPER ASSY	1	
129	129		9107560-01	WIRE,BUSS,22AWG	A/R	
130	130		9006565-00	NUT,KEF , 10-32X 3/8 AF	1	
131	131		5413882-00	SNV SNUBBER	1	
132	132		9007853-01	SCREW,FAN,PHIL 6-32X1-1/8 SS	2	
133	133		9006803-00	SPACER, HEX, ALUM, .138 ID X .5	2	

134 NOTE: ITEM #123; .52' IS USED.
135 NOTE: ITEM #124; .08' IS USED.
136 NOTE: ITEM #127;.56' IS USED.
137 NOTE: ITEM #129; .37' IS USED.

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							MEMORY INVERTER		K	FL	5413603-0-DBP	E

TW

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION"

* 0-0-0509107 2

3(QTY 2)

3
4
5 (QTY 2)

2

1

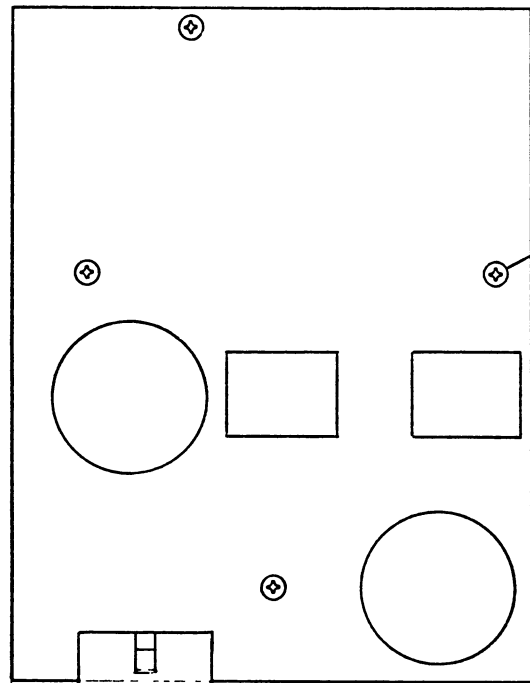
2	WASHER, FLAT #6	9006656-00	5
2	WASHER, LOCK, S.S. #6	9007801-00	4
4	SCREW, PAN HD, SELF TAP #6-32 X .31 LG	9009708-00	3
1	MEMORY REGULATOR BOARD	5413607-00	2
1	MEMORY INVERTER BOARD	5413603-00	1

DESCRIPTION		DWG./PART NO.		ITEM NO.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						
ANGLES 30° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES				
		OVER 0	OVER 0.5	OVER 1.2	OVER 4.0	OVER 12.0
SURFACE QUALITY	IN	0.2	0.3	0.5	0.8	1.2
		MEDIUM	0.004	0.008	0.012	0.016
MICROINCHES	PREFERRED	0.012	0.016	0.020	0.024	0.030

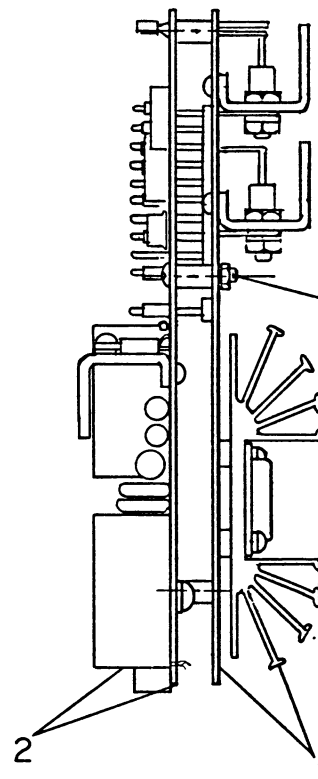
THIRD ANGLE PROJECTION	DRN'D <i>M. Murphy</i> 6-6-79	FIRST USED ON	H740
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>Blair</i> 2/4/79	TITLE	H740
DO NOT SCALE DWG	ENG'D <i>Blair</i> 2/4/79	MEMORY VOLTAGE ASSY	
MATERIAL SEE PARTS LIST	PROJ. ENG. <i>Blair</i> 11/4/79	SIZE	D
FINISH <i>H</i>	PROD. <i>Blair</i> 11/4/79	CODE	AD 7016050-0-0
	NEXT HIGHER ASSY.	NUMBER	1
	SCALE NONE	REV.	*
	SHEET 1 OF 1	DIST.	

*THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION

* 0-0-2509107010000 2



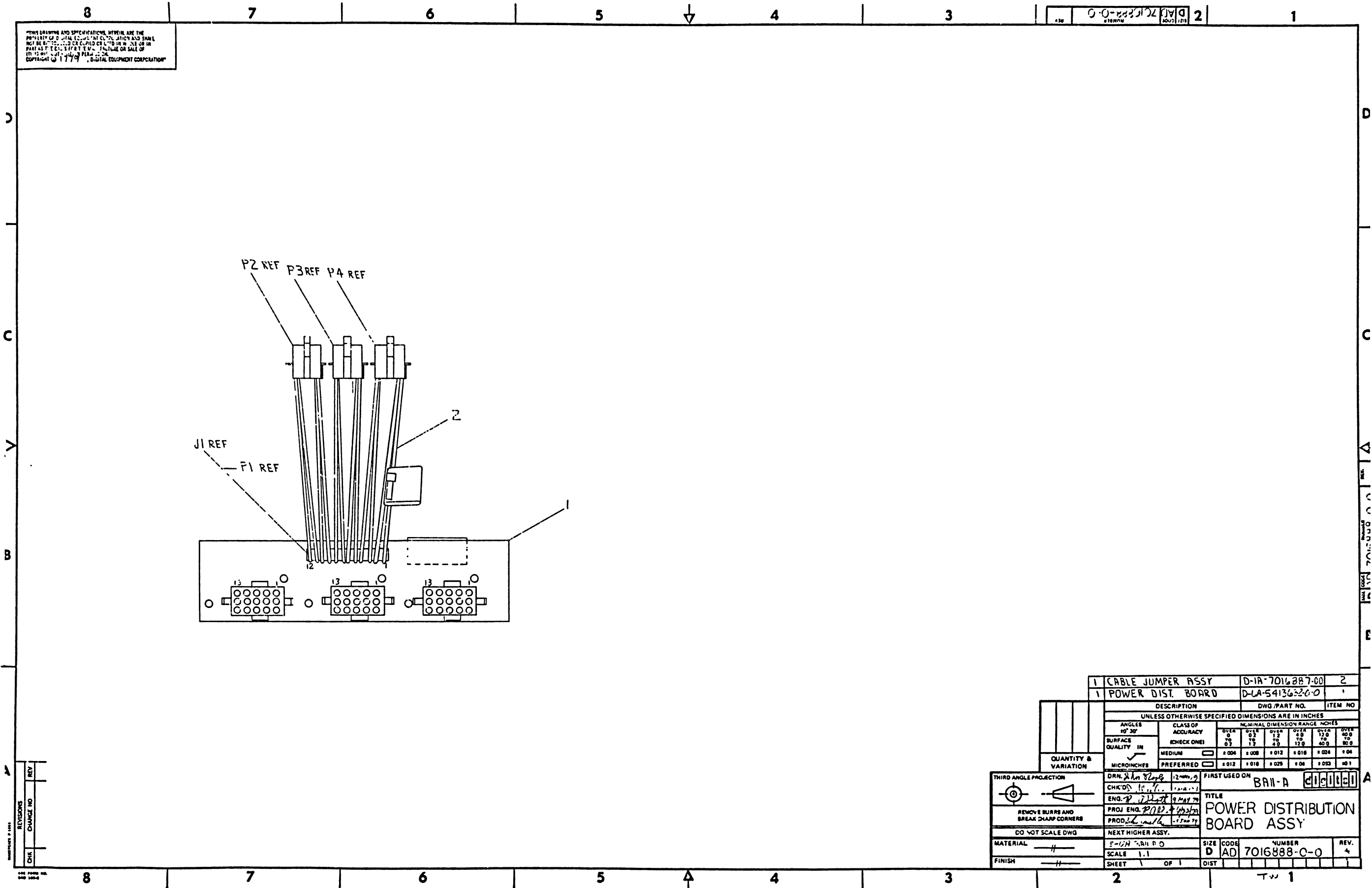
4
3
3
0 } QTY 4



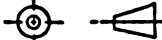
4
3
3
0 } REF

4	NUT, HEX #6-32X.25A.E	9008957-00	6
4	WASHER, LOCK, S.S. #6	9007801-00	5
4	SCR, PHIL PAN HD #6-32X.69LG	9007794-01	4
4	SPACER, HEX, ALUM #6-32X.38LG	9006844-00	3
1	LOGIC INVERTER CONT BD	5413601-00	2
1	LOGIC INVERTER BD	5413599-00	1

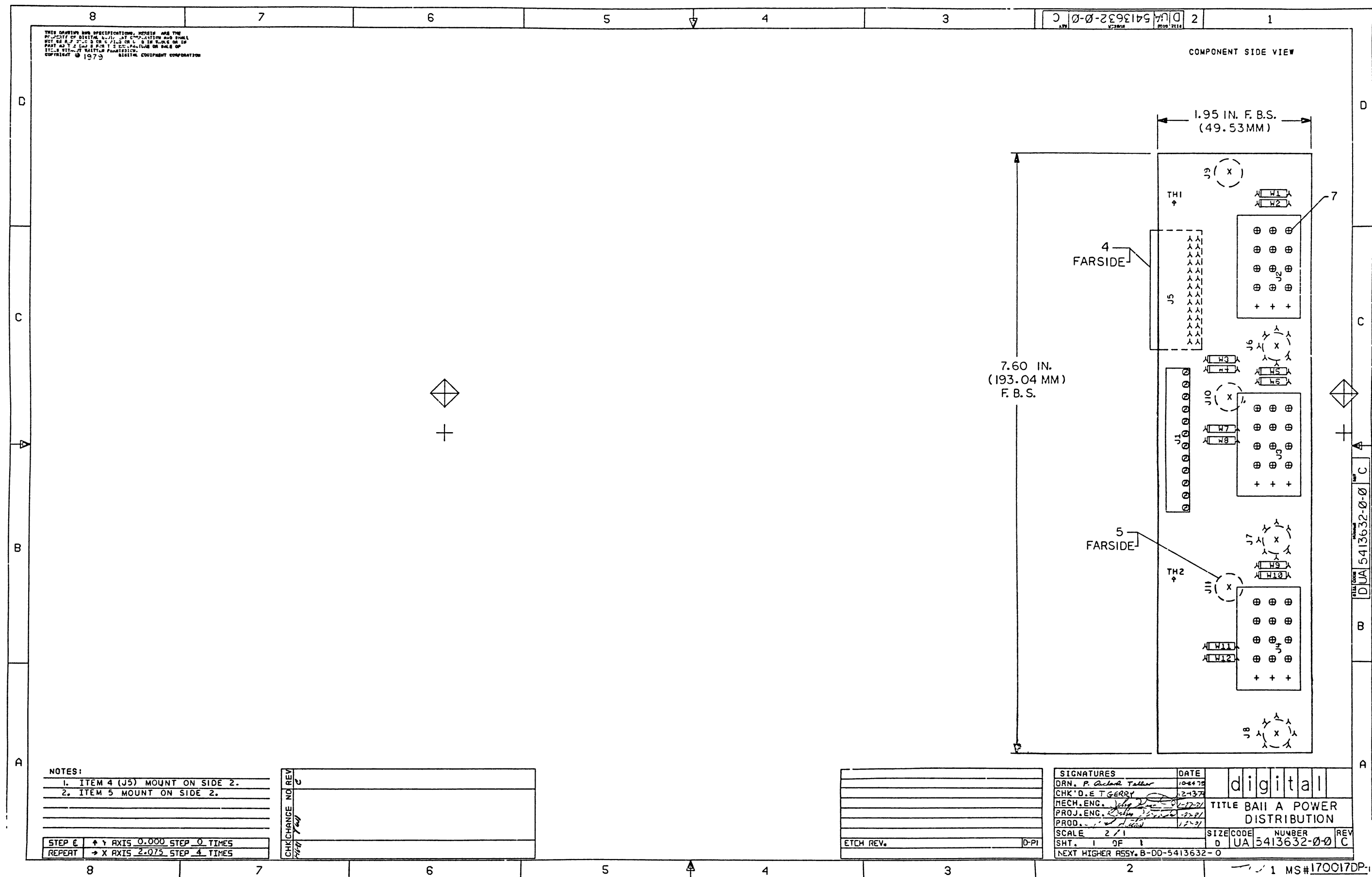
DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES 30° 30'	CLAS. OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
SURFACE QUALITY	(CHECK ONE)	OVER 0 0.3 1.3 2.3 3.3 4.3 5.3 6.3 7.3 8.3 9.3 10.3 11.3 12.3 13.3 14.3 15.3 16.3 17.3 18.3 19.3 20.3 21.3 22.3 23.3 24.3 25.3 26.3 27.3 28.3 29.3 30.3 31.3 32.3 33.3 34.3 35.3 36.3 37.3 38.3 39.3 40.3 41.3 42.3 43.3 44.3 45.3 46.3 47.3 48.3 49.3 50.3 51.3 52.3 53.3 54.3 55.3 56.3 57.3 58.3 59.3 60.3 61.3 62.3 63.3 64.3 65.3 66.3 67.3 68.3 69.3 70.3 71.3 72.3 73.3 74.3 75.3 76.3 77.3 78.3 79.3 80.3 81.3 82.3 83.3 84.3 85.3 86.3 87.3 88.3 89.3 90.3 91.3 92.3 93.3 94.3 95.3 96.3 97.3 98.3 99.3 100.3
MEDIUM	☒ MEDIUM	2.004 2.008 2.012 2.016 2.020 2.024 2.028 2.032 2.036 2.040 2.044 2.048 2.052 2.056 2.060 2.064 2.068 2.072 2.076 2.080 2.084 2.088 2.092 2.096 2.100 2.104 2.108 2.112 2.116 2.120 2.124 2.128 2.132 2.136 2.140 2.144 2.148 2.152 2.156 2.160 2.164 2.168 2.172 2.176 2.180 2.184 2.188 2.192 2.196 2.200 2.204 2.208 2.212 2.216 2.220 2.224 2.228 2.232 2.236 2.240 2.244 2.248 2.252 2.256 2.260 2.264 2.268 2.272 2.276 2.280 2.284 2.288 2.292 2.296 2.300 2.304 2.308 2.312 2.316 2.320 2.324 2.328 2.332 2.336 2.340 2.344 2.348 2.352 2.356 2.360 2.364 2.368 2.372 2.376 2.380 2.384 2.388 2.392 2.396 2.400 2.404 2.408 2.412 2.416 2.420 2.424 2.428 2.432 2.436 2.440 2.444 2.448 2.452 2.456 2.460 2.464 2.468 2.472 2.476 2.480 2.484 2.488 2.492 2.496 2.500 2.504 2.508 2.512 2.516 2.520 2.524 2.528 2.532 2.536 2.540 2.544 2.548 2.552 2.556 2.560 2.564 2.568 2.572 2.576 2.580 2.584 2.588 2.592 2.596 2.600 2.604 2.608 2.612 2.616 2.620 2.624 2.628 2.632 2.636 2.640 2.644 2.648 2.652 2.656 2.660 2.664 2.668 2.672 2.676 2.680 2.684 2.688 2.692 2.696 2.700 2.704 2.708 2.712 2.716 2.720 2.724 2.728 2.732 2.736 2.740 2.744 2.748 2.752 2.756 2.760 2.764 2.768 2.772 2.776 2.780 2.784 2.788 2.792 2.796 2.800 2.804 2.808 2.812 2.816 2.820 2.824 2.828 2.832 2.836 2.840 2.844 2.848 2.852 2.856 2.860 2.864 2.868 2.872 2.876 2.880 2.884 2.888 2.892 2.896 2.900 2.904 2.908 2.912 2.916 2.920 2.924 2.928 2.932 2.936 2.940 2.944 2.948 2.952 2.956 2.960 2.964 2.968 2.972 2.976 2.980 2.984 2.988 2.992 2.996 3.000 3.004 3.008 3.012 3.016 3.020 3.024 3.028 3.032 3.036 3.040 3.044 3.048 3.052 3.056 3.060 3.064 3.068 3.072 3.076 3.080 3.084 3.088 3.092 3.096 3.100 3.104 3.108 3.112 3.116 3.120 3.124 3.128 3.132 3.136 3.140 3.144 3.148 3.152 3.156 3.160 3.164 3.168 3.172 3.176 3.180 3.184 3.188 3.192 3.196 3.200 3.204 3.208 3.212 3.216 3.220 3.224 3.228 3.232 3.236 3.240 3.244 3.248 3.252 3.256 3.260 3.264 3.268 3.272 3.276 3.280 3.284 3.288 3.292 3.296 3.300 3.304 3.308 3.312 3.316 3.320 3.324 3.328 3.332 3.336 3.340 3.344 3.348 3.352 3.356 3.360 3.364 3.368 3.372 3.376 3.380 3.384 3.388 3.392 3.396 3.400 3.404 3.408 3.412 3.416 3.420 3.424 3.428 3.432 3.436 3.440 3.444 3.448 3.452 3.456 3.460 3.464 3.468 3.472 3.476 3.480 3.484 3.488 3.492 3.496 3.500 3.504 3.508 3.512 3.516 3.520 3.524 3.528 3.532 3.536 3.540 3.544 3.548 3.552 3.556 3.560 3.564 3.568 3.572 3.576 3.580 3.584 3.588 3.592 3.596 3.600 3.604 3.608 3.612 3.616 3.620 3.624 3.628 3.632 3.636 3.640 3.644 3.648 3.652 3.656 3.660 3.664 3.668 3.672 3.676 3.680 3.684 3.688 3.692 3.696 3.700 3.704 3.708 3.712 3.716 3.720 3.724 3.728 3.732 3.736 3.740 3.744 3.748 3.752 3.756 3.760 3.764 3.768 3.772 3.776 3.780 3.784 3.788 3.792 3.796 3.800 3.804 3.808 3.812 3.816 3.820 3.824 3.828 3.832 3.836 3.840 3.844 3.848 3.852 3.856 3.860 3.864 3.868 3.872 3.876 3.880 3.884 3.888 3.892 3.896 3.900 3.904 3.908 3.912 3.916 3.920 3.924 3.928 3.932 3.936 3.940 3.944 3.948 3.952 3.956 3.960 3.964 3.968 3.972 3.976 3.980 3.984 3.988 3.992 3.996 4.000 4.004 4.008 4.012 4.016 4.020 4.024 4.028 4.032 4.036 4.040 4.044 4.048 4.052 4.056 4.060 4.064 4.068 4.072 4.076 4.080 4.084 4.088 4.092 4.096 4.100 4.104 4.108 4.112 4.116 4.120 4.124 4.128 4.132 4.136 4.140 4.144 4.148 4.152 4.156 4.160 4.164 4.168 4.172 4.176 4.180 4.184 4.188 4.192 4.196 4.200 4.204 4.208 4.212 4.216 4.220 4.224 4.228 4.232 4.236 4.240 4.244 4.248 4.252 4.256 4.260 4.264 4.268 4.272 4.276 4.280 4.284 4.288 4.292 4.296 4.300 4.304 4.308 4.312 4.316 4.320 4.324 4.328 4.332 4.336 4.340 4.344 4.348 4.352 4.356 4.360 4.364 4.368 4.372 4.376 4.380 4.384 4.388 4.392 4.396 4.400 4.404 4.408 4.412 4.416 4.420 4.424 4.428 4.432 4.436 4.440 4.444 4.448 4.452 4.456 4.460 4.464 4.468 4.472 4.476 4.480 4.484 4.488 4.492 4.496 4.500 4.504 4.508 4.512 4.516 4.520 4.524 4.528 4.532 4.536 4.540 4.544 4.548 4.552 4.556 4.560 4.564 4.568 4.572 4.576 4.580 4.584 4.588 4.592 4.596 4.600 4.604 4.608 4.612 4.616 4.620 4.624 4.628 4.632 4.636 4.640 4.644 4.648 4.652 4.656 4.660 4.664 4.668 4.672 4.676 4.680 4.684 4.688 4.692 4.696 4.700 4.704 4.708 4.712 4.716 4.720 4.724 4.728 4.732 4.736 4.740 4.744 4.748 4.752 4.756 4.760 4.764 4.768 4.772 4.776 4.780 4.784 4.788 4.792 4.796 4.800 4.804 4.808 4.812 4.816 4.820 4.824 4.828 4.832 4.836 4.840 4.844 4.848 4.852 4.856 4.860 4.864 4.868 4.872 4.876 4.880 4.884 4.888 4.892 4.896 4.900 4.904 4.908 4.912 4.916 4.920 4.924 4.928 4.932 4.936 4.940 4.944 4.948 4.952 4.956 4.960 4.964 4.968 4.972 4.976 4.980 4.984 4.988 4.992 4.996 5.000 5.004 5.008 5.012 5.016 5.020 5.024 5.028 5.032 5.036 5.040 5.044 5.048 5.052 5.056 5.060 5.064 5.068 5.072 5.076 5.080 5.084 5.088 5.092 5.096 5.100 5.104 5.108 5.112 5.116 5.120 5.124 5.128 5.132 5.136 5.140 5.144 5.148 5.152 5.156 5.160 5.164 5.168 5.172 5.176 5.180 5.184 5.188 5.192 5.196 5.200 5.204 5.208 5.212 5.216 5.220 5.224 5.228 5.232 5.236 5.240 5.244 5.248 5.252 5.256 5.260 5.264 5.268 5.272 5.276 5.280 5.284 5.288 5.292 5.296 5.300 5.304 5.308 5.312 5.316 5.320 5.324 5.328 5.332 5.336 5.340 5.344 5.348 5.352 5.356 5.360 5.364 5.368 5.372 5.376 5.380 5.384 5.388 5.392 5.396 5.400 5.404 5.408 5.412 5.416 5.420 5.424 5.428 5.432 5.436 5.440 5.444 5.448 5.452 5.456 5.460 5.464 5.468 5.472 5.476 5.480 5.484 5.488 5.492 5.496 5.500 5.504 5.508 5.512 5.516 5.520 5.524 5.528 5.532 5.536 5.540 5.544 5.548 5.552 5.556 5.560 5.564 5.568 5.572 5.576 5.580 5.584 5.588 5.592 5.596 5.600 5.604 5.608 5.612 5.616 5.620 5.624 5.628 5.632 5.636 5.640 5.644 5.648 5.652 5.656 5.660 5.664 5.668 5.672 5.676 5.680 5.684 5.688 5.692 5.696 5.700 5.704 5.708 5.712 5.716 5.720 5.724 5.728 5.732 5.736 5.740 5.744 5.748 5.752 5.756 5.760 5.764 5.768 5.772 5.776 5.780 5.784 5.788 5.792 5.796 5.800 5.804 5.808 5.812 5.816 5.820 5.824 5.828 5.832 5.836 5.840 5.844 5.848 5.852 5.856 5.860 5.864 5.868 5.872 5.876 5.880 5.884 5.888 5.892 5.896 5.900 5.904 5.908 5.912 5.916 5.920 5.924 5.928 5.932 5.936 5.940 5.944 5.948 5.952 5.956 5.960 5.964 5.968 5.972 5.976 5.980 5.984 5.988 5.992 5.996 6.000 6.004 6.008 6.012 6.016 6.020 6.024 6.028 6.032 6.036 6.040 6.044 6.048 6.052 6.056 6.060 6.064 6.068 6.072 6.076 6.080 6.084 6.088 6.092 6.096 6.100 6.104 6.108 6.112 6.116 6.120 6.124 6.128 6.132 6.136 6.140 6.144 6.148 6.152 6.156 6.160 6.164 6.168 6.172 6.176 6.180 6.184 6.188 6.192 6.196 6.200 6.204 6.208 6.212 6.216 6.220 6.224 6.228 6.232 6.236 6.240 6.244 6.248 6.252 6.256 6.260 6.264 6.268 6.272 6.276 6.280 6.284 6.288 6.292 6.296 6.300 6.304 6.308 6.312 6.316 6.320 6.324 6.328 6.332 6.336 6.340 6.344 6.348 6.352 6.356 6.360 6.364 6.368 6.372 6.376 6.380 6.384 6.388 6.392 6.396 6.400 6.404 6.408 6.412 6.416 6.420 6.424 6.428 6.432 6.436 6.440 6.444 6.448 6.452 6.456 6.460 6.464 6.468 6.472 6.476 6.480 6.484 6.488 6.492 6.496 6.500 6.504 6.508 6.512 6.516 6.520 6.524 6.528 6.532 6.536 6.540 6.544 6.548 6.552 6.556 6.560 6.564 6.568 6.572 6.576 6.580 6.584 6.588 6.592 6.596 6.600 6.604 6.608 6.612 6.616 6.620 6.624 6.628 6.632 6.636 6.640 6.644 6.648 6.652 6.656 6.660 6.664 6.668 6.672 6.676 6.680 6.684 6.688 6.692 6.696 6.700 6.704 6.708 6.712 6.716 6.720 6.724 6.728 6.732 6.736 6.740 6.744 6.748 6.752 6.756 6.760 6.764 6.768 6.772 6.776 6.780 6.784 6.788 6.792 6.796 6.800 6.804 6.808 6.812 6.816 6.820 6.824 6.828 6.832 6.836 6.840 6.844 6.848 6.852 6.856 6.860 6.864 6.868 6.872 6.876 6.880 6.884 6.888 6.892 6.896 6.900 6.904 6.908 6.912 6.916 6.920 6.924 6.928 6.932 6.936 6.940 6.944 6.948 6.952 6.956 6.960 6.964 6.968 6.972 6.976 6.980 6.984 6.988 6.992 6.996 7.000 7.004 7.008 7.012 7.016 7.020 7.024 7.028 7.032 7.036 7.040 7.044 7.048 7.052 7.056 7.060 7.064 7.068 7.072 7.076 7.080 7.084 7.088 7.092 7.096 7.100 7.104 7.108 7.112 7.116 7.120 7.124 7.128 7.132 7.136 7.140 7.144 7.148 7.152 7.156 7.160 7.164 7.168 7.172 7.176 7.180 7.184 7.188 7.192 7.196 7.200 7.204 7.208 7.212 7.216 7.220 7.224 7.228 7.232 7.236 7.240 7.244 7.248 7.252 7.256 7.260 7.264 7.268 7.272 7.276 7.280 7.284 7.288 7.292 7.296 7.300 7.304 7.308 7.312 7.316 7.320 7.324 7.328 7.332 7.336 7.340 7.344 7.348 7.352 7.356 7.360 7.364 7.368 7.372 7.376 7.380 7.384 7.388 7.392 7.396 7.400 7.404 7.408 7.412 7.416 7.420 7.424 7.428 7.432 7.436 7.440 7.444 7.448 7.452 7.456 7.460 7.464 7.468 7.472 7.476 7.480 7.484 7.488 7.492 7.496 7.500 7.504 7.508 7.512 7.516 7.520 7.524 7.528 7.532 7.536 7.540 7.544 7.548 7.552 7.556 7.560 7.564 7.568 7.572 7.576 7.580 7.584 7.588 7.592 7.596 7.600 7.604 7.608 7.612 7.616 7.620 7.624 7.628 7.632 7.636 7.640 7.644 7.648 7.652 7.656 7.660 7.664 7.668 7.672 7.676 7.680 7.684 7.688 7.692 7.696 7.700 7.704 7.708 7.712 7.716 7.720 7.724 7.728 7.732 7.736 7.740 7.744 7.748 7.752 7.756 7.760 7.764 7.768 7.772 7.776 7.780 7.784 7.788 7.792 7.796 7.800 7.804 7.808 7.812 7.816 7.820 7.824 7.828 7.832 7.836 7.840 7.844 7.848 7.852 7.856 7.860 7.864 7.868 7.872 7.876 7.880 7.884 7.888 7.892 7.896 7.900 7.904 7.908 7.912 7.916 7.920 7.924 7.928 7.932 7.936 7.940 7.944 7.948 7.952 7.956 7.960 7.964 7.968 7.972 7.976 7.980 7.984 7.988 7.992 7.996 8.000 8.004 8.008 8.012 8.016 8.020 8.024 8.028 8.032 8.036 8.040 8.044 8.048 8.052 8.056 8.060 8.064 8.068 8.072 8.076 8.080 8.084 8.088 8.092 8.096 8.100 8.104 8.108 8.112 8.116 8.120 8.124 8.128 8.132 8.136 8.140 8.144 8.148 8.152 8.156 8.160 8.164 8.168 8.172 8.176 8.180 8.184 8.188 8.192 8.196 8.200 8.204 8.208 8.212 8.216 8.220 8.224 8.228 8.232 8.236 8.240 8.244 8.248 8.252 8.256 8.260 8.264 8.268 8.272 8.276 8.280 8.284 8.288 8.292 8.296 8.300 8.304 8.308 8.312 8.316 8.320 8.324 8.328 8.332 8.336 8.340 8.344 8.348 8.352 8.356 8.360 8.364 8.368 8.372 8.376 8.380 8.384 8.388 8.392 8.396 8.400 8.404 8.408 8.412 8.416 8.420 8.424 8.428 8.432 8.436 8.440 8.444 8.448 8.452 8.456 8.460 8.464 8.468 8.472 8.476 8.480 8.484 8.488 8.492 8.496 8.500 8.504 8.508 8.512 8.516 8.520 8.524 8.528 8.532 8.536 8.540 8.544 8.548 8.552 8.556 8.560 8.564 8.568 8.572 8.576 8.580 8.584 8.588 8.592 8.596 8.600 8.604 8.608 8.612 8.616 8.620 8.624 8.628 8.632 8.636 8.640 8.644 8.648 8.652 8.656 8.660 8.664 8.668 8.672 8.676 8.680 8.684 8.688 8.692 8.696 8.700 8.704 8.708 8.712 8.716 8.720 8.724 8.728 8.732 8.736 8.740 8.744 8.748 8.752 8.756 8.760 8.764 8.768 8.772 8.776 8.780 8.784 8.788 8.792 8.796 8.800 8.804 8.808 8.812 8.816 8.820 8.824 8.828 8.832 8.836 8.840 8.844 8.848 8.852 8.856 8.860 8.864 8.868 8.872 8.876 8.880 8.884 8.888 8.892 8.896 8.900 8.904 8.908 8.912 8.916 8.920 8.924 8.928 8.932 8.936 8.940 8.944 8.948 8.952 8.956 8.960 8.964 8.968 8.972 8.976 8.980 8.984 8.988 8.992 8.996 9.000 9.004 9.008 9.012 9.016 9.020 9.024 9.028 9.032 9.036 9.040 9.044 9.048 9.052 9.056 9.060 9.064 9.068 9.072 9.076 9.080 9.084 9.088 9.092 9.096 9.100 9.104 9.108 9.112 9.116 9.120 9.124 9.128 9.132 9.136 9.140 9.144 9.148 9.152 9.156 9.160 9.164 9.168 9.172 9.176 9.180 9.184 9.188 9.192 9.196 9.200 9.204 9.20

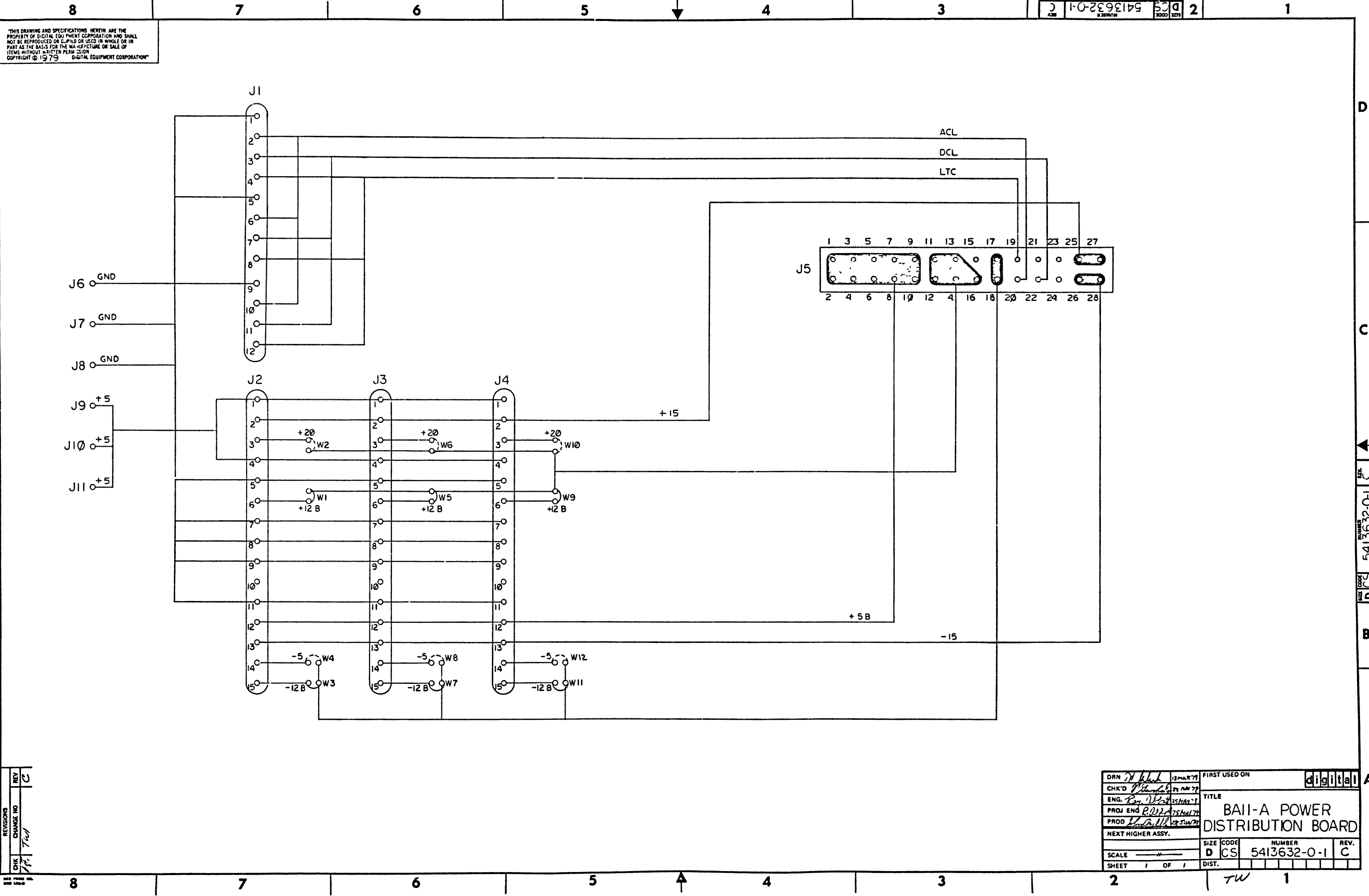


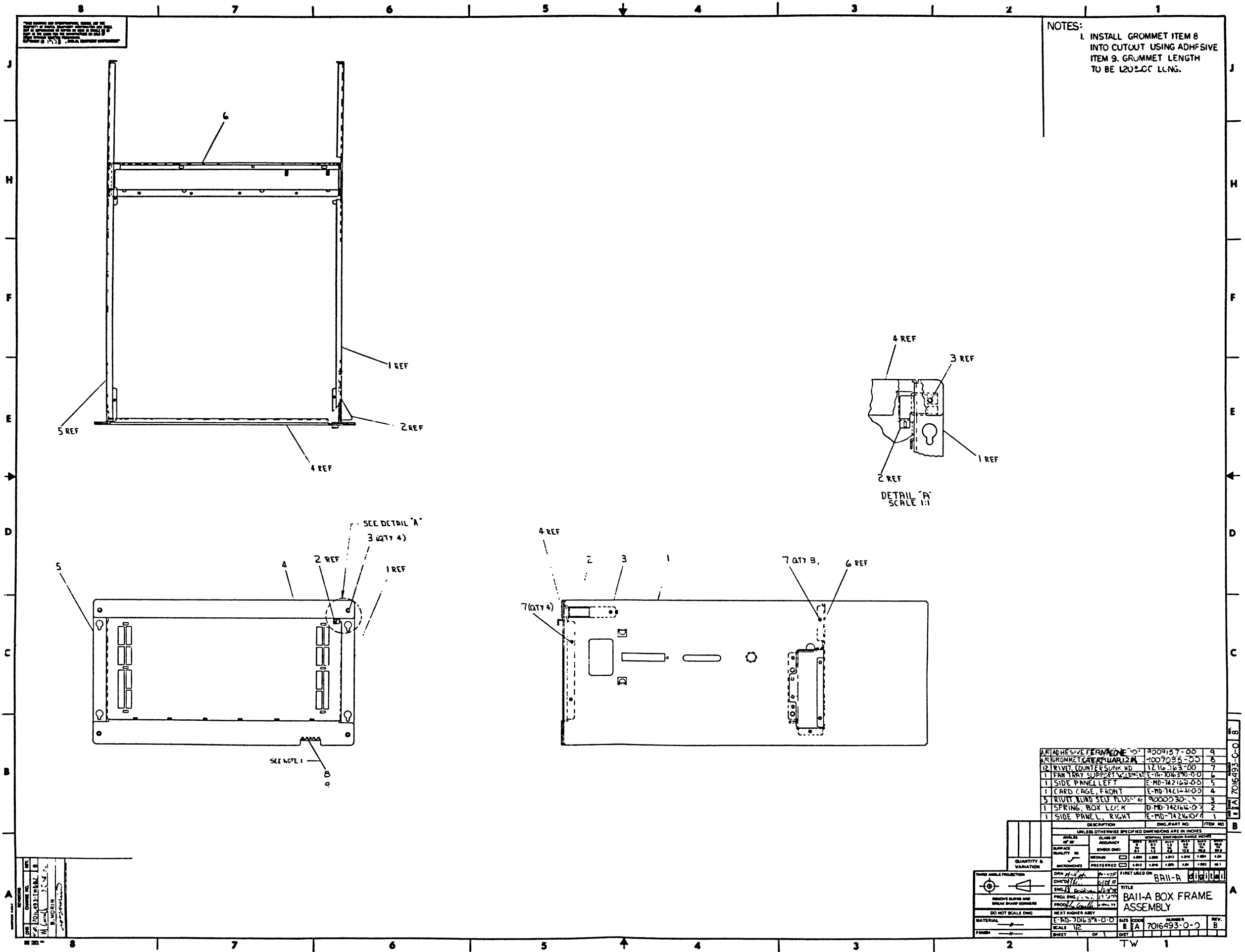
1		CABLE JUMPER ASSY		D-1A-7016287-00		2	
1		POWER DIST. BOARD		D-1A-5413622-00		1	
		DESCRIPTION		DWG / PART NO.		ITEM NO	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
		ANGLES 30° 30'		NUMERICAL DIMENSION RANGE NOTES			
		SURFACE QUALITY		CLASS OF ACCURACY (CHECK ONE)			
QUANTITY & VARIATION		MEDIUM ☐		OVER 0.2 TO 0.5 ± 004 ± 008 ± 012 ± 016 ± 024 ± 04			
		PREFERRED ☐		OVER 0.5 TO 0.9 ± 012 ± 016 ± 024 ± 04 ± 052 ± 01			
		MICROINCHES ☒					

THIRD ANGLE PROJECTION	DRN. <i>2/11/88</i> <i>12 MAY 79</i> CHK'D <i>11/11/88</i> <i>11 MAR 81</i> ENG. <i>P. J. Burt</i> <i>9 MAY 79</i> PROJ. ENG. <i>P. J. Burt</i> <i>9 MAY 79</i> PROD. <i>J. L. Smith</i> <i>17 Feb 79</i>	FIRST USED ON <i>B11-A-1</i> <i>digitized</i>	TITLE POWER DISTRIBUTION BOARD ASSY				
	REMOVE BURRS AND BREAK SHARP CORNERS	NEXT HIGHER ASSY. F-114 B11 A D		SIZE D	CODE AD	NUMBER 7016833-C-0	REV. 4
DO NOT SCALE DWG	SCALE 1:1	SHEET OF 1		DIS			
FINISH							

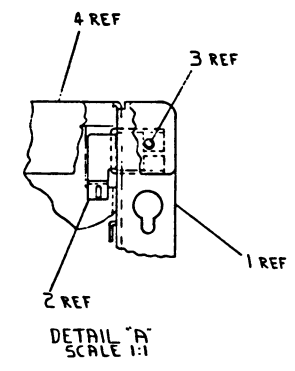
२०९







NOTES:
1. INSTALL GROMMET ITEM 8 INTO CUTOUT USING ADHESIVE ITEM 9. GROMMET LENGTH TO BE 120±.00 LONG.

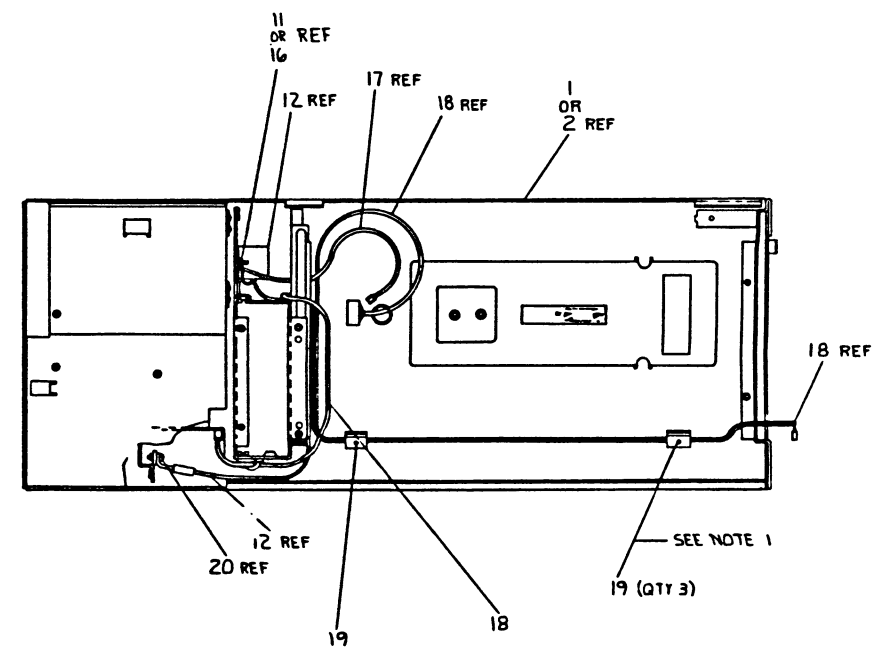
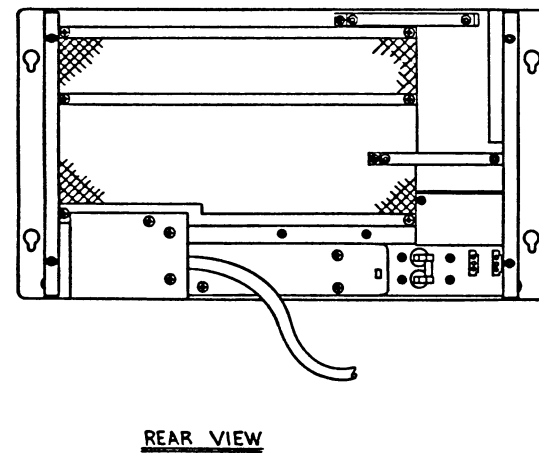
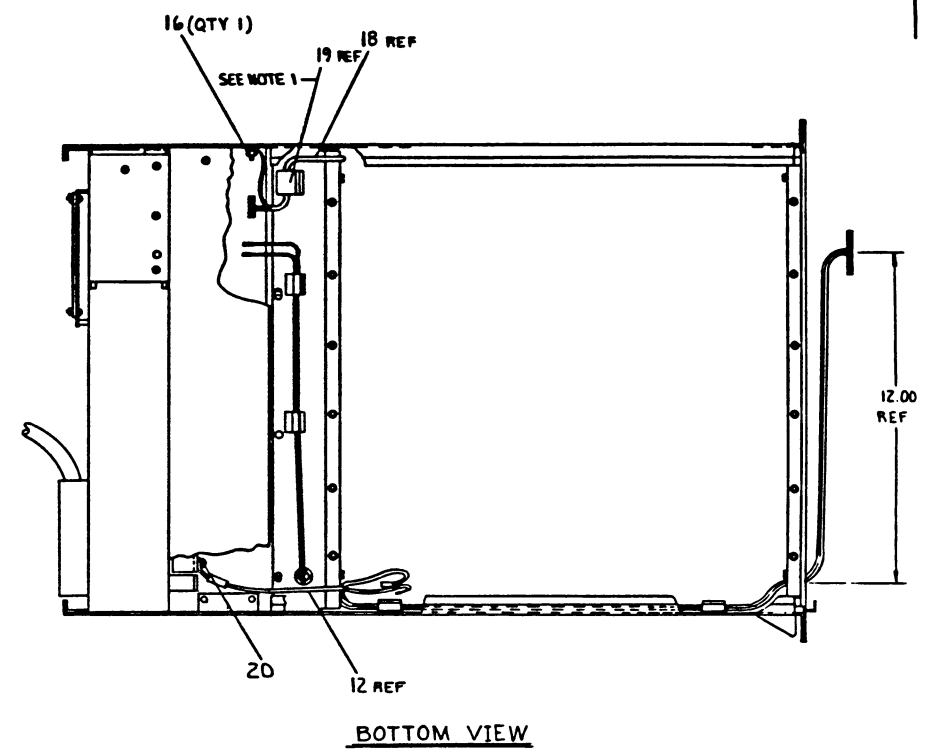
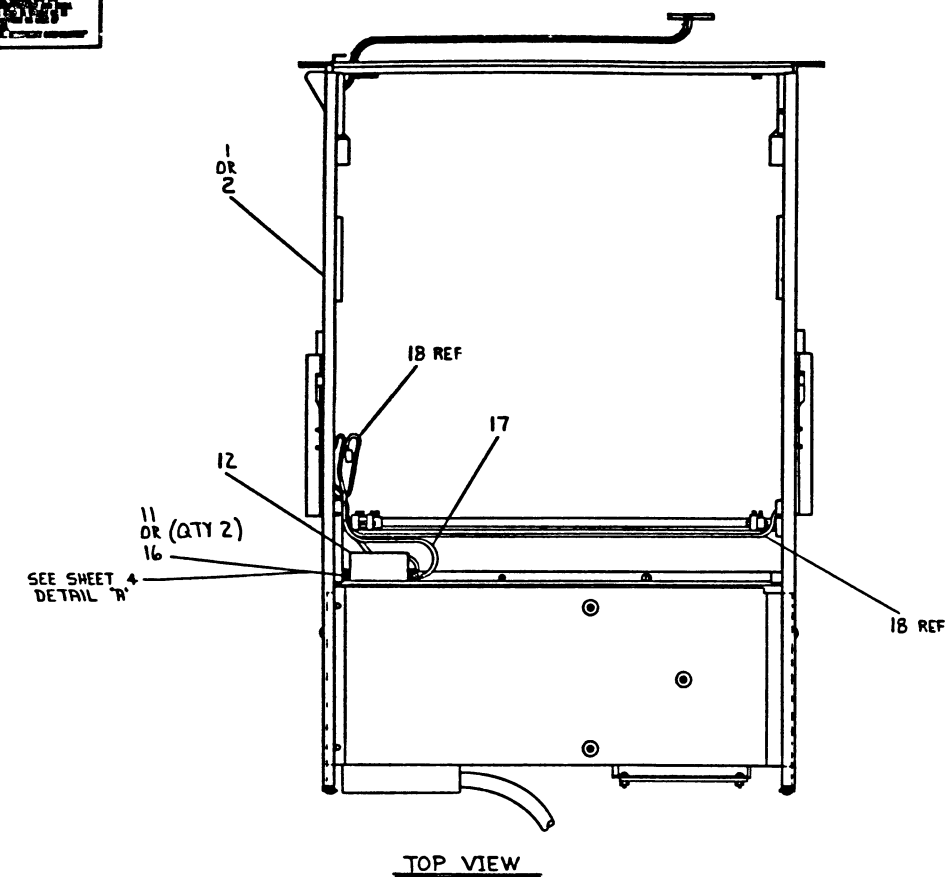


4	ADHESIVE TAPE	1	ADHESIVE TAPE	1	ADHESIVE TAPE	1
5	GROMMET	1	GROMMET	1	GROMMET	1
6	RIVET	1	RIVET	1	RIVET	1
7	FRONT SUPPORT	1	FRONT SUPPORT	1	FRONT SUPPORT	1
8	SIDE PANEL LEFT	1	SIDE PANEL LEFT	1	SIDE PANEL LEFT	1
9	CARD CAGE FRONT	1	CARD CAGE FRONT	1	CARD CAGE FRONT	1
5	RIVET BOND SELF PLUG	1	RIVET BOND SELF PLUG	1	RIVET BOND SELF PLUG	1
1	SPRING BOX LOCK	1	SPRING BOX LOCK	1	SPRING BOX LOCK	1
1	SIDE PANEL, RIGHT	1	SIDE PANEL, RIGHT	1	SIDE PANEL, RIGHT	1

DESCRIPTION		DIMC PART NO		ITEM NO	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
APPLICABLE DIMENSIONS		TOLERANCES		SURFACE FINISH	
SIZE		CLASS		CLASS	
0.005		0.005		0.005	
0.010		0.010		0.010	
0.015		0.015		0.015	
0.020		0.020		0.020	
0.025		0.025		0.025	
0.030		0.030		0.030	
0.035		0.035		0.035	
0.040		0.040		0.040	
0.045		0.045		0.045	
0.050		0.050		0.050	
0.055		0.055		0.055	
0.060		0.060		0.060	
0.065		0.065		0.065	
0.070		0.070		0.070	
0.075		0.075		0.075	
0.080		0.080		0.080	
0.085		0.085		0.085	
0.090		0.090		0.090	
0.095		0.095		0.095	
0.100		0.100		0.100	
0.105		0.105		0.105	
0.110		0.110		0.110	
0.115		0.115		0.115	
0.120		0.120		0.120	
0.125		0.125		0.125	
0.130		0.130		0.130	
0.135		0.135		0.135	
0.140		0.140		0.140	
0.145		0.145		0.145	
0.150		0.150		0.150	
0.155		0.155		0.155	
0.160		0.160		0.160	
0.165		0.165		0.165	
0.170		0.170		0.170	
0.175		0.175		0.175	
0.180		0.180		0.180	
0.185		0.185		0.185	
0.190		0.190		0.190	
0.195		0.195		0.195	
0.200		0.200		0.200	
0.205		0.205		0.205	
0.210		0.210		0.210	
0.215		0.215		0.215	
0.220		0.220		0.220	
0.225		0.225		0.225	
0.230		0.230		0.230	
0.235		0.235		0.235	
0.240		0.240		0.240	
0.245		0.245		0.245	
0.250		0.250		0.250	
0.255		0.255		0.255	
0.260		0.260		0.260	
0.265		0.265		0.265	
0.270		0.270		0.270	
0.275		0.275		0.275	
0.280		0.280		0.280	
0.285		0.285		0.285	
0.290		0.290		0.290	
0.295		0.295		0.295	
0.300		0.300		0.300	
0.305		0.305		0.305	
0.310		0.310		0.310	
0.315		0.315		0.315	
0.320		0.320		0.320	
0.325		0.325		0.325	
0.330		0.330		0.330	
0.335		0.335		0.335	
0.340		0.340		0.340	
0.345		0.345		0.345	
0.350		0.350		0.350	
0.355		0.355		0.355	
0.360		0.360		0.360	
0.365		0.365		0.365	
0.370		0.370		0.370	
0.375		0.375		0.375	
0.380		0.380		0.380	
0.385		0.385		0.385	
0.390		0.390		0.390	
0.395		0.395		0.395	
0.400		0.400		0.400	
0.405		0.405		0.405	
0.410		0.410		0.410	
0.415		0.415		0.415	
0.420		0.420		0.420	
0.425		0.425		0.425	
0.430		0.430		0.430	
0.435		0.435		0.435	
0.440		0.440		0.440	
0.445		0.445		0.445	
0.450		0.450		0.450	
0.455		0.455		0.455	
0.460		0.460		0.460	
0.465		0.465		0.465	
0.470		0.470		0.470	
0.475		0.475		0.475	
0.480		0.480		0.480	
0.485		0.485		0.485	
0.490		0.490		0.490	
0.495		0.495		0.495	
0.500		0.500		0.500	
0.505		0.505		0.505	
0.510		0.510		0.510	
0.515		0.515		0.515	
0.520		0.520		0.520	
0.525		0.525		0.525	
0.530		0.530		0.530	
0.535		0.535		0.535	
0.540		0.540		0.540	
0.545		0.545		0.545	
0.550		0.550		0.550	
0.555		0.555		0.555	
0.560		0.560		0.560	
0.565		0.565		0.565	
0.570		0.570		0.570	
0.575		0.575		0.575	
0.580		0.580		0.580	
0.585		0.585		0.585	
0.590		0.590		0.590	
0.595		0.595		0.595	
0.600		0.600		0.600	
0.605		0.605		0.605	
0.610		0.610		0.610	
0.615		0.615		0.615	
0.620		0.620		0.620	
0.625		0.625		0.625	
0.630		0.630		0.630	
0.635		0.635		0.635	
0.640		0.640		0.640	
0.645		0.645		0.645	
0.650		0.650		0.650	
0.655		0.655		0.655	
0.660		0.660		0.660	
0.665		0.665		0.665	
0.670		0.670		0.670	
0.675		0.675		0.675	
0.680		0.680		0.680	
0.685		0.685		0.685	
0.690		0.690		0.690	
0.695		0.695		0.695	
0.700		0.700		0.700	
0.705		0.705		0.705	
0.710		0.710		0.710	
0.715		0.715		0.715	
0.720		0.720		0.720	
0.725		0.725		0.725	
0.730		0.730		0.730	
0.735		0.735		0.735	
0.740		0.740		0.740	
0.745		0.745		0.745	
0.750		0.750		0.750	
0.755		0.755		0.755	
0.760		0.760		0.760	
0.765		0.765		0.765	
0.770		0.770		0.770	
0.775		0.775		0.775	
0.780		0.780		0.780	
0.785		0.785		0.785	
0.790		0.790		0.790	
0.795		0.795		0.795	
0.800		0.800		0.800	
0.805		0.805		0.805	
0.810		0.810		0.810	
0.815		0.815		0.815	
0.820		0.820		0.820	
0.825		0.825		0.825	
0.830		0.830		0.830	
0.835		0.835		0.835	
0.840		0.840		0.840	
0.845		0.845		0.845	
0.850		0.850		0.850	
0.855		0.855		0.855	
0.860		0.860		0.860	
0.865		0.865		0.865	
0.870		0.870		0.870	
0.875		0.875		0.875	
0.880		0.880		0.880	
0.885		0.885		0.885	
0.890		0.890		0.890	
0.895		0.895		0.895	
0.900		0.900		0.900	
0.905		0.905		0.905	
0.910		0.910		0.910	
0.915		0.915		0.915	
0.920		0.920		0.920	
0.925		0.925		0.925	
0.930		0.930		0.930	
0.935		0.935		0.935	
0.940		0.940		0.940	
0.945		0.945		0.945	
0.950		0.950		0.950	
0.955		0.955		0.955	
0.960		0.960		0.960	
0.965		0.965		0.965	
0.970		0.970		0.970	
0.975		0.975		0.975	
0.980		0.980		0.980	
0.985		0.985		0.985	
0.990		0.990		0.990	
0.995		0.995		0.995	
1.000		1.000		1.000	
1.005		1.005		1.005	
1.010		1.010		1.010	
1.015		1.015		1.015	
1.020		1.020		1.020	
1.025		1.025		1.025	
1.030		1.030		1.030	
1.035		1.035		1.035	
1.040		1.040		1.040	
1.045		1.045		1.045	
1.050		1.050		1.050	
1.055		1.055		1.055	
1.060		1.060		1.060	
1.065		1.065		1.065	
1.070		1.070		1.070	
1.075		1.075		1.075	
1.080		1.080		1.080	
1.085		1.085		1.085	
1.090		1.090		1.090	
1.095		1.095		1.095	
1.100		1.100		1.100	
1.105		1.105		1.105	
1.110		1.110		1.110	
1.115		1.115		1.115	
1.120		1.120		1.120	
1.125		1.125		1.125	
1.130		1.130		1.130	
1.135		1.135		1.135	
1.140		1.140		1.140	
1.145		1.145		1.145	
1.150		1.150		1.150	
1.155		1.155		1.155	
1.160		1.160		1.160	
1.165		1.165		1.165	
1.170		1.170		1.170	
1.175		1.175		1.175	
1.180		1.180		1.180	
1.185		1.185		1.185	
1.190		1.190		1.190	
1.195		1.195		1.195	
1.200		1.200		1.200	
1.205		1.205		1.205	
1.210		1.210		1.210	
1.215		1.215		1.215	
1.220		1.220		1.220	
1.225		1.225		1.225	
1.230		1.230		1.230	
1.235		1.235		1.235	
1.240		1.240		1.240	
1.245		1.245		1.245	
1.250		1.250		1.250	
1.255		1.255		1.255	
1.260		1.260		1.260	
1.265		1.265		1.265	
1.270		1.270		1.270	
1.275		1.275		1.275	
1.280		1.280		1.280	
1.285		1.285		1.285	
1.290		1.290		1.290	
1.295		1.295		1.295	
1.300		1.300		1.300	
1.305		1.305		1.305	
1.310		1.310		1.310	
1.315		1.315		1.315	
1.320		1.320		1.320	
1.325		1.325		1.325	
1.330		1.330		1.330	
1.335		1.335		1.335	
1.340		1.340		1.340	
1.345		1.345		1.345	
1.350		1.350		1.350	
1.355		1.355		1.355	
1.360		1.360		1.360	
1.365		1.365		1.365	
1.37					

UNIT 1144-0-0
1144-0-0

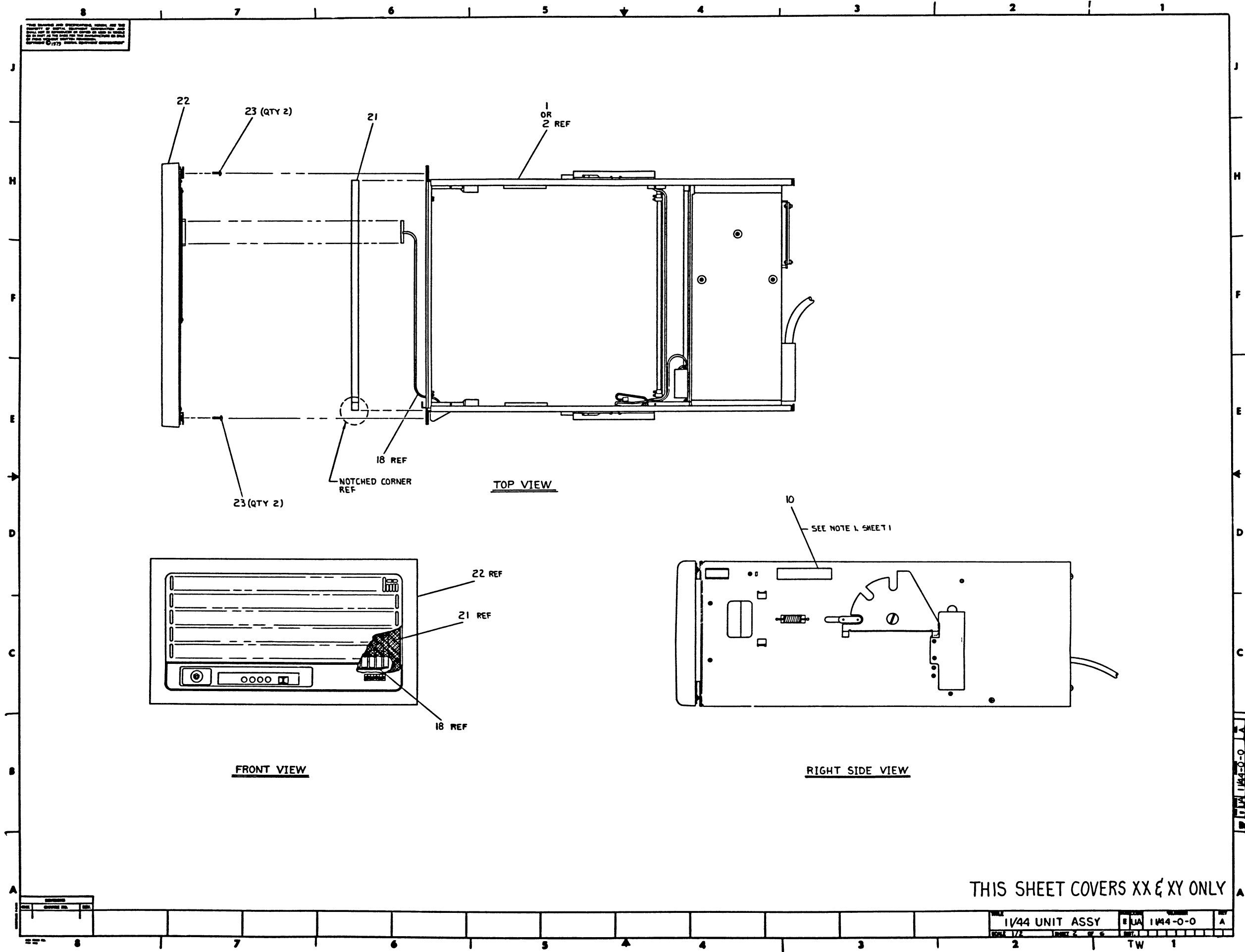
NOTES
1. LOCATE APPROX AS SHOWN.

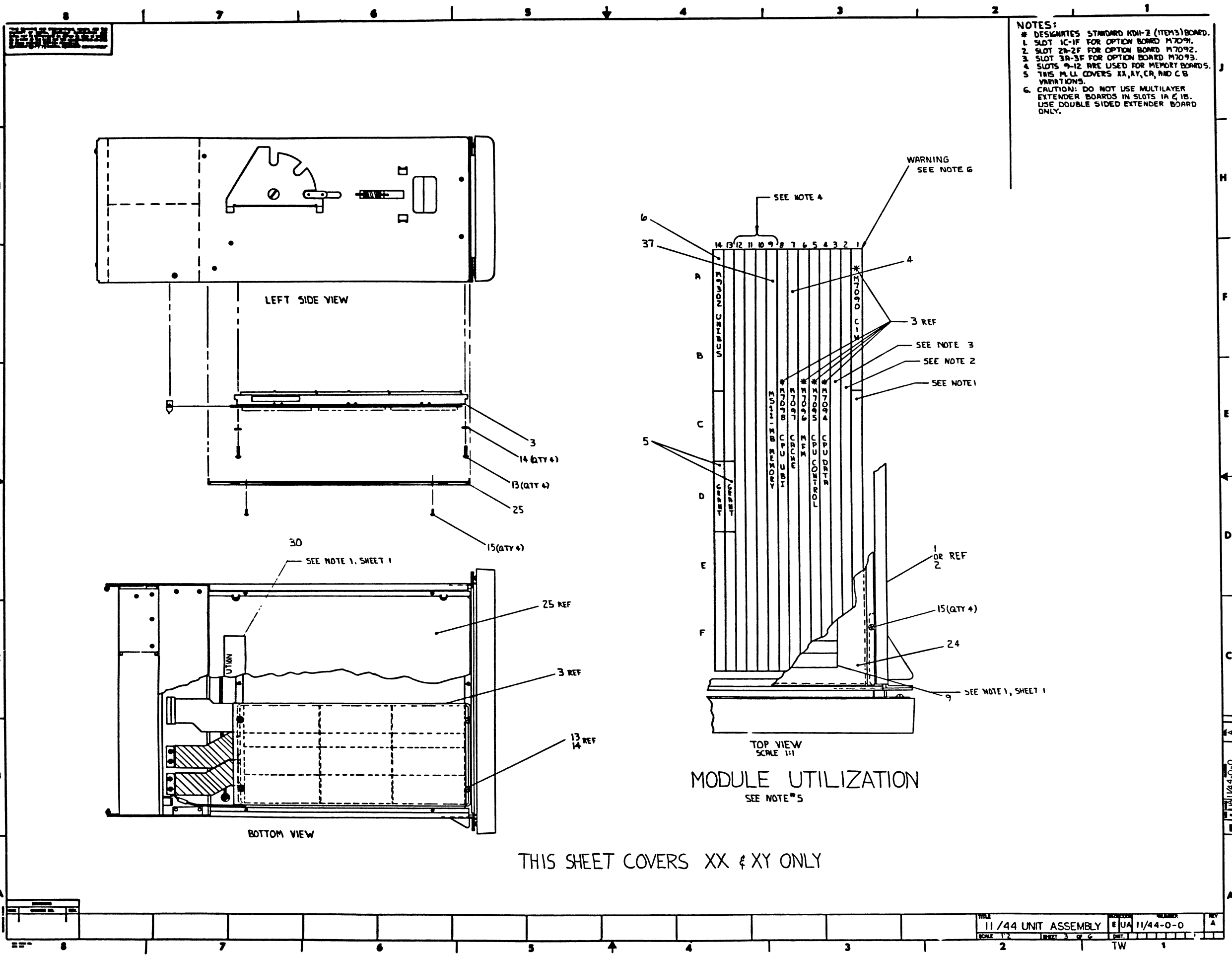


THIS SHEET COVERS XX & XY ONLY

SEE C-PL-1144-0-0
FOR PARTS LIST

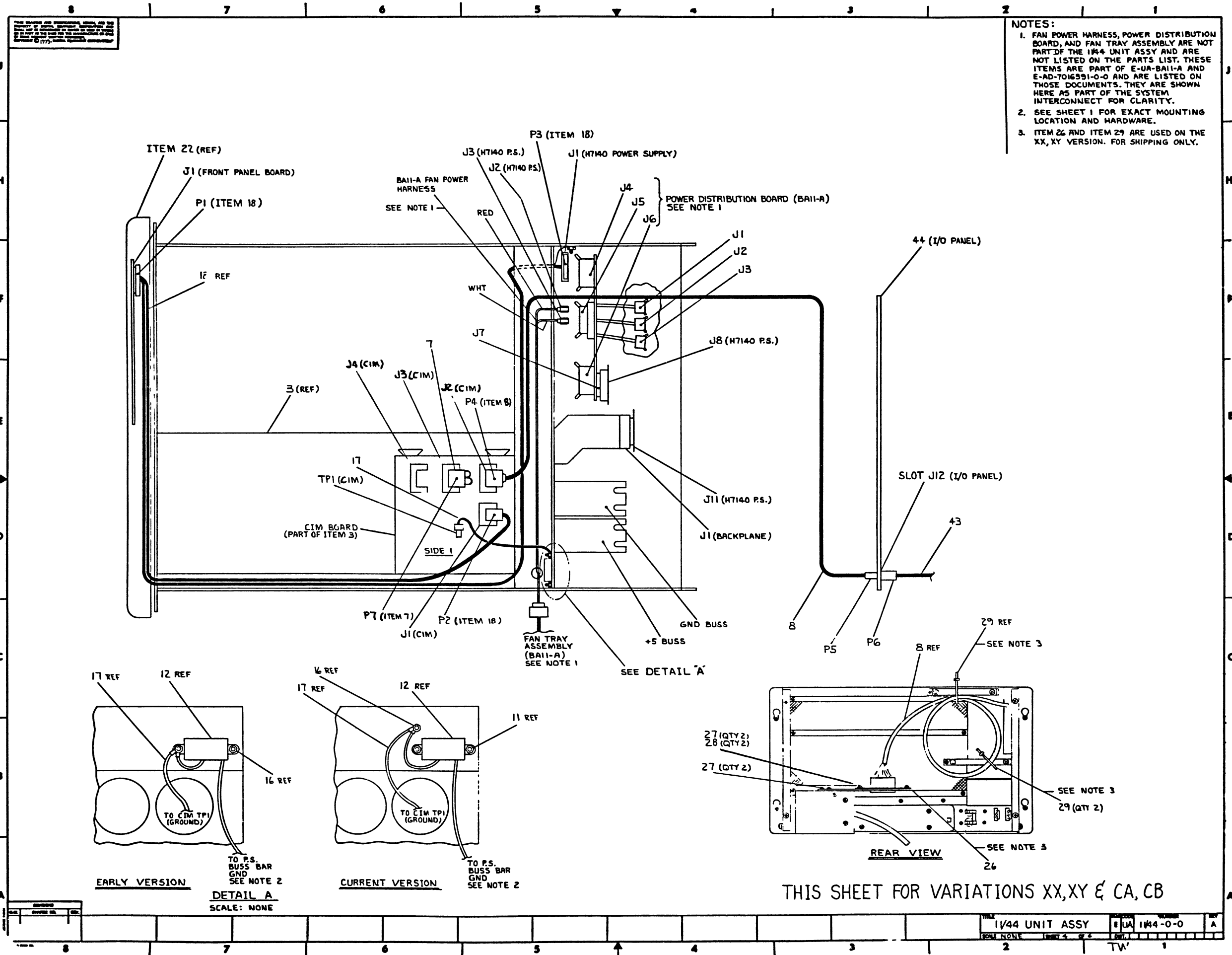
QUANTITY & VARIATION		DESCRIPTION		DRAWING NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
SCALE 1/2		SCALE 1/2		SCALE 1/2		SCALE 1/2	
DATE		DATE		DATE		DATE	
BY		BY		BY		BY	
CHECKED		CHECKED		CHECKED		CHECKED	
APPROVED		APPROVED		APPROVED		APPROVED	
TITLE		TITLE		TITLE		TITLE	
1144 UNIT ASSY		1144 UNIT ASSY		1144 UNIT ASSY		1144 UNIT ASSY	
B-00-1144-0-0		B-00-1144-0-0		B-00-1144-0-0		B-00-1144-0-0	
SCALE 1/2		SCALE 1/2		SCALE 1/2		SCALE 1/2	
SHEET 1 OF 5		SHEET 1 OF 5		SHEET 1 OF 5		SHEET 1 OF 5	

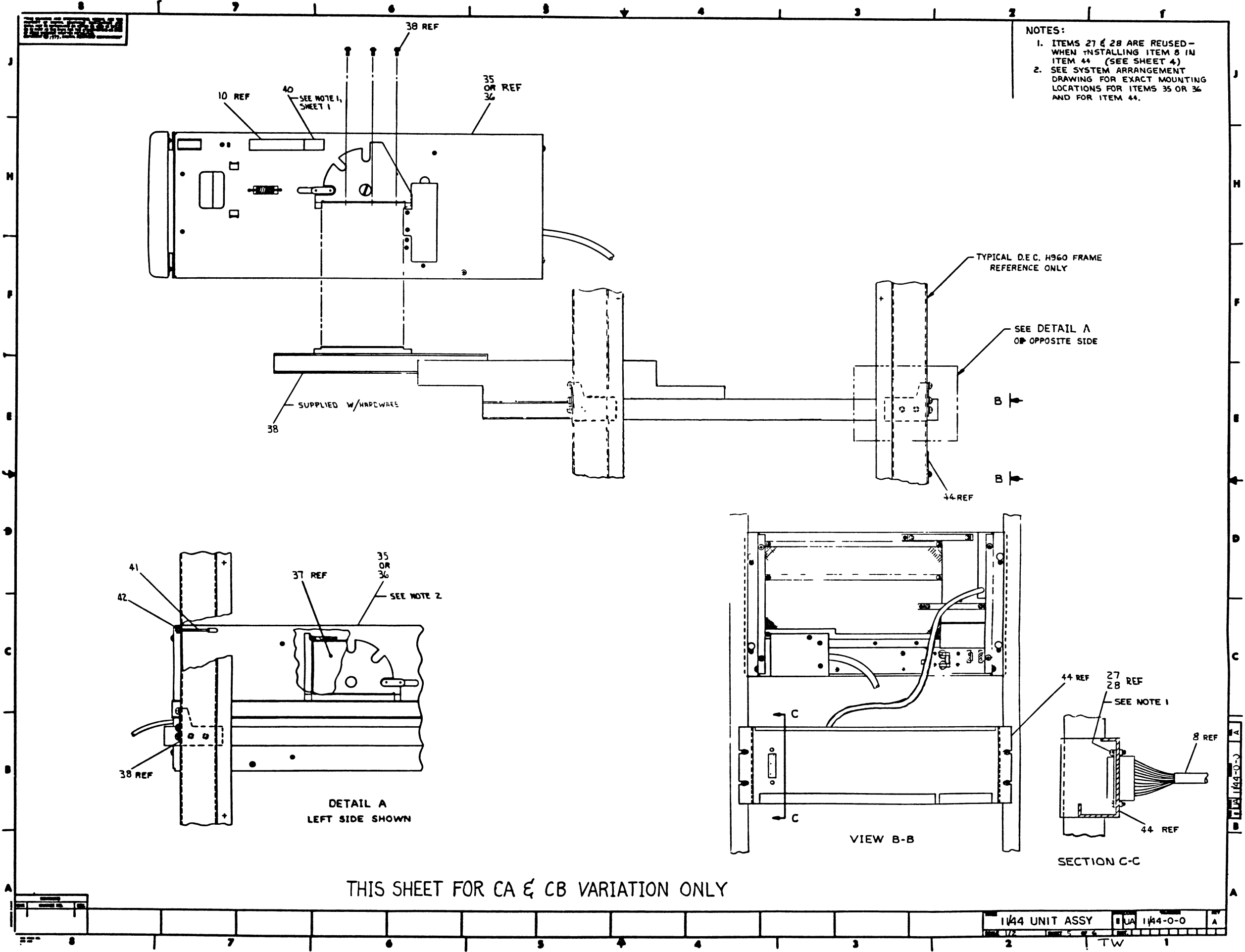




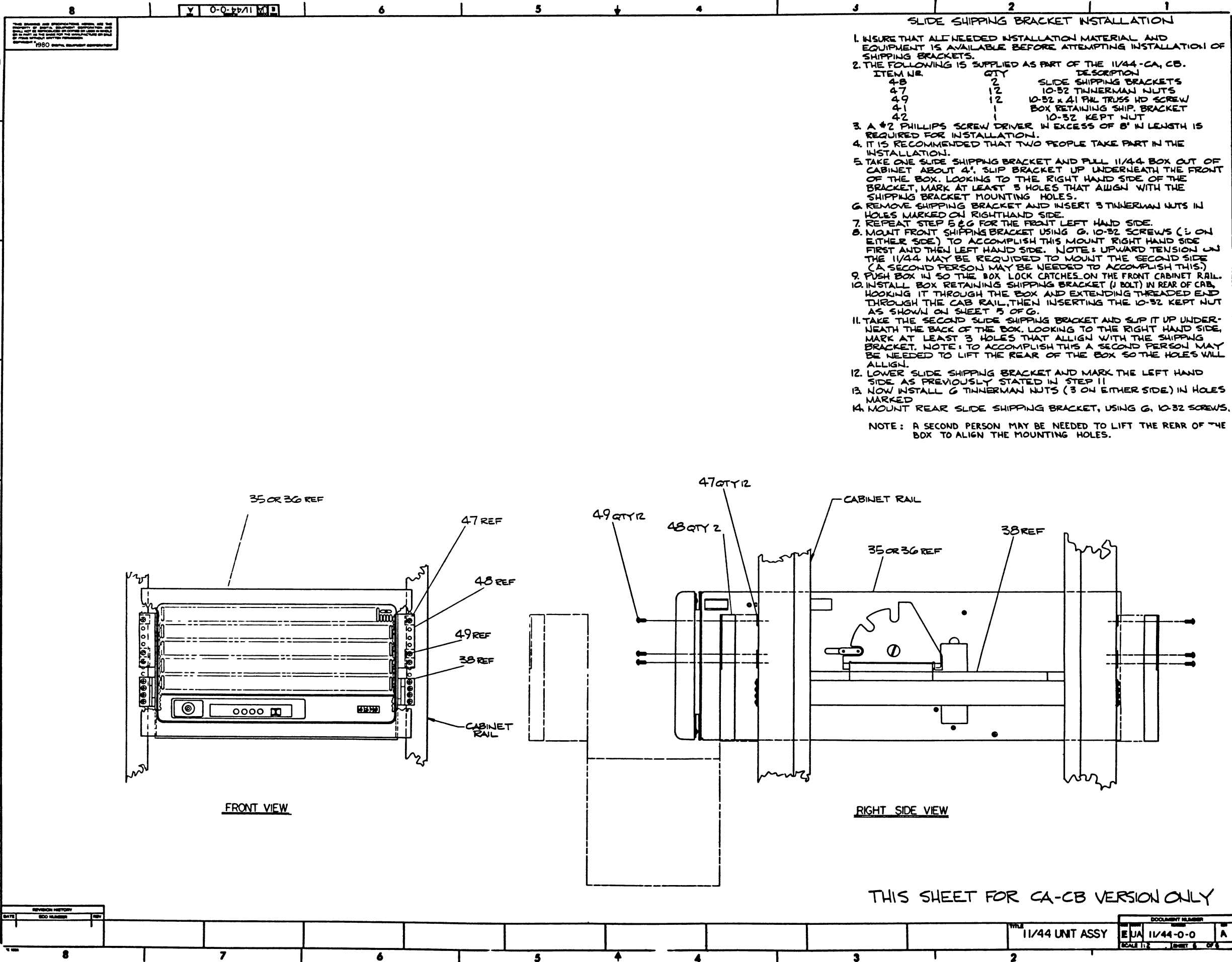
215

11/44 UNIT ASSEMBLY	EUA 11/44-0-0	REV A
SCALE 1:2	1:2	1:2
TW	1	1





217



THIS DRAWING AND SPECIFICATIONS, HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 , DIGITAL EQUIPMENT CORPORATION

Item No	DWG/PART NO	DESCRIPTION
1	E-UA-B11-A-0	B11-AA UNIT ASSY 115 V
2	E-UA-B11-A-0	B11-AB UNIT ASSY 230 V
3	B-DD-KD11-Z-0	KD11-Z PROCESSOR
4	B-DD-KK11-B-0	KK11-B CACHE
5	D-UA-6727-0-1	GRANT CONTINUITY
6	D-UA-M9302-0-1	UNIBUS TERMINATOR/SACK TURNAROUND
7	C-IA-7422428-0-0	LOOP BACK CONN.
8	D-IA-BC44A-0-0	FILTERED CABLE ASSY
9	A-DC-3616928-0-0	DECAL, MODULE LAYOUT
10	A-DC-3615180-0-0	DECAL, SERIAL TAG
11	9008185-00	KEPNUT, 6-32 SPECIAL
12	C-PS-1213304-0-0	GROUND INDUCTER
13	9006040-03	SCREW, 8-32 X .625
14	9008072-00	LOCKWASHER, #8 EXTERNAL TOOTH
15	9009701-00	SCREW, SEMS 6-32 X .31
16	9006563-00	KEPNUT #8-32
17	D-IA-7422393-0-0	WIRE ASSY
18	D-AD-7016487-0-0	CIM CABLE ASSY
19	9008442-00	CABLE CLAMP
20	9009642-00	SCREW, 8-32 X .25 INTERNAL SEMS
21	1216271-00	AIR FILTER
22	E-AD-7016501-0-0	CONSOLE/BEZEL ASSY
23	9006073-03	SCREW, #10-32 X .500
24	D-MD-7421614-0-0	TOP COVER
25	D-AD-7016479-0-0	BOTTOM COVER ASSY
26	C-MD-7423068-0-0	E.T.A. SHIPPING BRACKET
27	9009708-00	SCREW, 6-32 X .312 TAPTITE
28	9007801-00	LOCKWASHER, #6 SPLIT RING
29	9007032-00	TIE WRAP
30	A-PS-3615087-0-0	DECAL "DANGER"
31		
32		
33		
34		
35	E-UA-11/44-XX	11/44 UNIT ASSY, 115 V
36	E-UA-11/44-XY	11/44 UNIT ASSY, 230 V
37	D-UA-MS11-MB-0	MS11-MB (256 KB MOS ECC) MEM BOARD
38	E-PS-1216971-0-0	SLIDE KIT (1 PAIR W/HARDWARE)
39	A-SP-3700471-0-0	PACKAGING INSTRUCTIONS (SLIDES)
40	A-DC-3615946-0-0	DECAL, VARIATION CHANGE
41	C-MD-7413659-0-0	SHIPPING BRACKET
42	9006565	#10-32 KEPNUT
43	D-UA-BC03M-25	NULL MODEM CABLE 25'

REV.	CHANGE NO.	DATE
A	1	11/44
B	2	11/44
C	3	11/44
D	4	11/44

DRN. 11/44	7/24/79	FIRST USED ON 11/44	digital
CHK'D 11/44	11/79	TITLE	
ENG. 11/44	11/79	11/44 Unit Assy	
PROJ. ENG. 11/44	11/79		
PROD. 11/44	11/79		
NEXT HIGHER ASSY.			
E-UA-11/44-0-0	SIZE C	CODE PL	NUMBER 11/44-0-0
SCALE 1:1			REV. A
SHEET 1 OF 2	DIST.		

4

3

2

1

THIS DRAWING AND SPECIFICATIONS, HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 , DIGITAL EQUIPMENT CORPORATION

ITEM NO	DWG/PART NO	DESCRIPTION
44	D-AD-7017048-0-0	I/O PANEL KIT
45	A-PL-11/44-0-4	11/44 SHIPPING LIST
46	A-SP-3700505-0-0	PACKAGING INSTRUCTIONS (DOCK MERGE)
47	9007786-00	#10 TUNNELMAN NUT
48	D-AD-7017641-0-0	BRACKET, SHIPPING
49	9006072-03	SCREW, #10 - 32 X .43 TRUSS HD

11/44-XX

11/44-XY

11/44-CX

11/44-CY

REV. A

NUMBER 11/44-0-0

SIZE CODE C PL

B

REV.

CHANGE NO.

CHK

DRN. John Nagle 13 Aug

CHK'D

ENG. *R. J. ...*

PROJ. ENG. *...*

PROD. *J. ...*

NEXT HIGHER ASSY.

E-UA-11/44-0-0

SCALE *1/4"*

SHEET 2 OF 2

FIRST USED ON 11/44

TITLE 11/44 UNIT ASSY

SIZE C

CODE PL

NUMBER 11/44-0-0

REV. A

digital

TW 1

220

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

MADE BY	Liz Hevesh
DATE	11 June 79

CHECKED	W. J. C.
DATE	8/17/79

SECTION

ENG King Greener
DATE 3-17-79

PROD	
DATE	6/18/72

ISSUED SECTION

ITEM NO.	DRAWING NO.
----------	-------------

PART NO.

DESCRIPTION

11/44-CA

11/44-CB

REF DESIGNATION

1	EK- 11044-UG-001
2	MP00742
3	EK-MS11M-UG-001
4	MP00809
5	ZJ014-FR
6	ZJ014 -PB

11/44 System User Guide
MS11-M Print Set
MS11-MB 256KB ECC MOS Memory
11/44 Basic Print Set
11/44 Basic CPU Kit (FICHE)
11/44 BASIC CPU KIT (PAPERTAPE)

1	1
1	1
1	1
1	1
.	1
1	1
1	1

E.C.O. NO
144-
TWØØ1

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"

TITLE

Shipping List.

ASSY NO.

E-UA-11/44-0-0

SHEET 1 OF 1

SIZE	
------	--

I B

CODE	DATE
------	------

IPL

NUMBER

11/44-0-4

REV.

A

INSERTION PARTS LIST DATA BASE REV

~~(S)~~

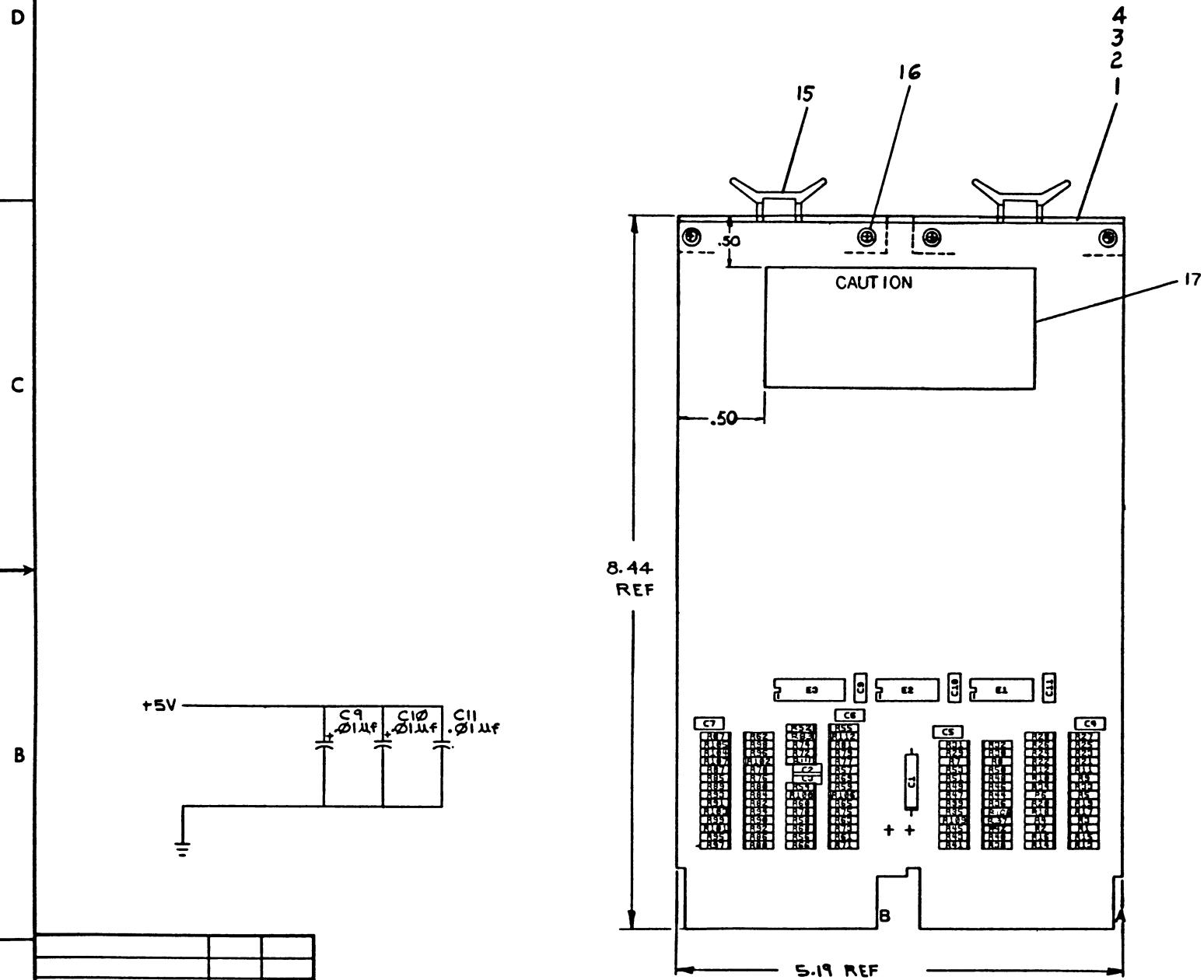
[illegible]

EYELET ☐ PLATED THRU ☒
2 SIDED ☒ MULTI-LAYER ☐
 NOTCH BEFORE GOLD PLATING ☐
 NOTCH AFTER GOLD PLATING ☒

DATE 7-27-74	digital CORPORATION WATUARD, MASSACHUSETTS		TITLE
CHK'D <i>[Signature]</i>	DATE 11-27-74	UNIBUS TERM	REV
ENG <i>[Signature]</i>	DATE 3-25-75		
PROD. ENG. <i>[Signature]</i>	DATE 3-25-75		
PROD.	DATE		
FIRST USED ON M9302	SERIAL CODE D AH	NUMBER M9302-0-5	REV D
ETCH REV B	TH MS 60567		

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1974 DIGITAL EQUIPMENT CORPORATION

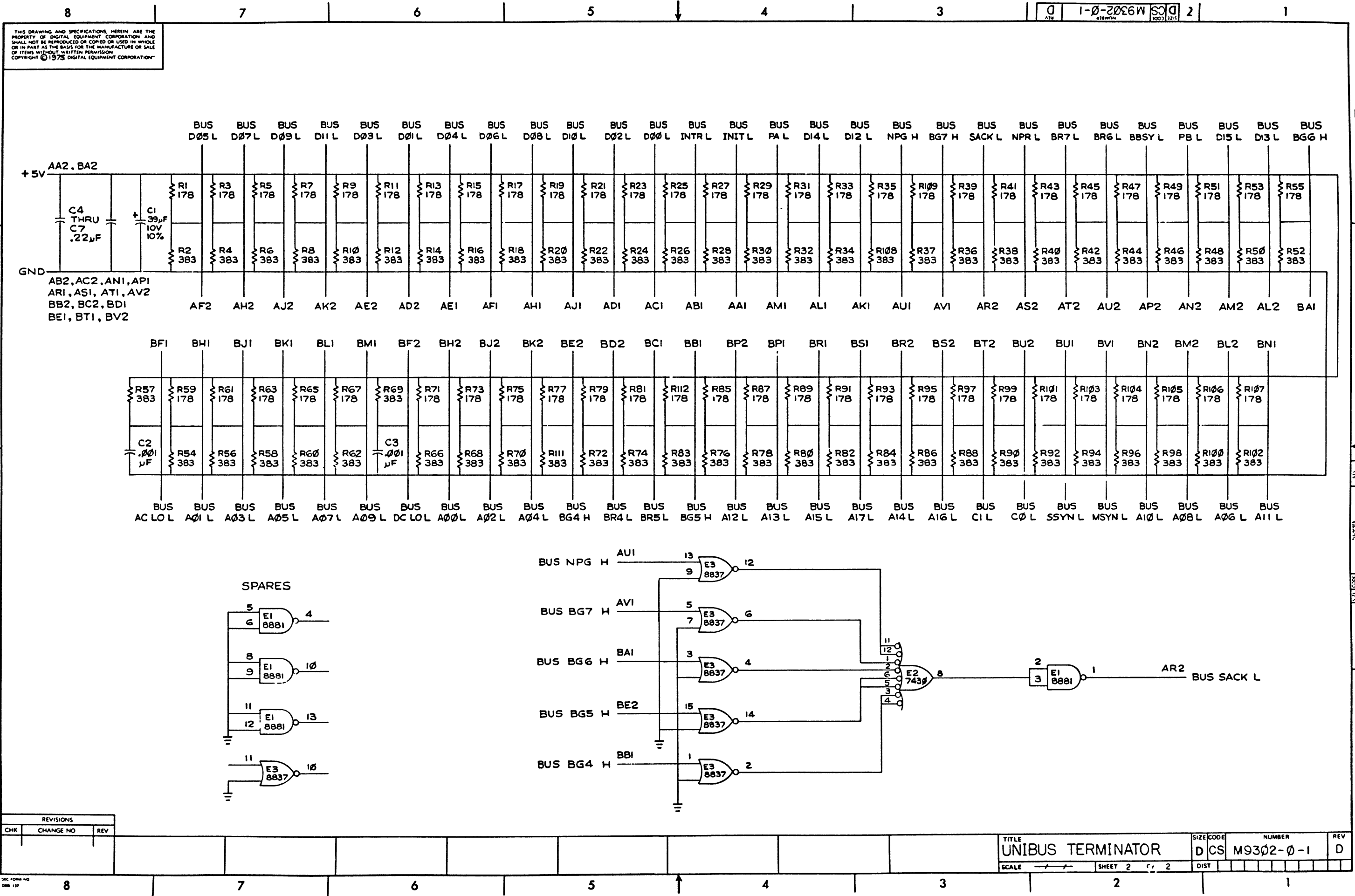
NOTES:
1.) THE FOLLOWING REFERENCE DESIGNATIONS ARE NOT USED:
C8, R64, AND R110.



REF	X-Y HOLE COORDINATE HOLE LOCATION	K-CO-M9302-0-4	1
REF	ASSY/DRILLING HOLE LAYOUT	D-AM-M9302-0-5	2
REF	MODULE ECO HISTORY	B-MM-M9302-0-6	3
1	ETCHED CIRCUIT BOARD	5011311	4
3	C9, C10, C11	CAP .01 uF 100V 20% DISC	5
1	C1	CAP 39 uF 10V 10%	6
1	C2	CAP 0.01 uF 35V 10%	7
4	C4 THRU C7	CAP .22 uF 50V 1%	8
2	C2, C3	CAP .001 uF 250V 20% DISC	9
56	R2, R4, R6, R8, R10, R12, R14, R16, R18, R20, R22, R24, R26, R28, R30, R32, R34, R36, R38, R40, R42, R44, R46, R48, R50, R52, R54, R56, R58, R60, R62, R64, R66, R68, R70, R72, R74, R76, R78, R80, R82, R84, R86, R88, R90, R92, R94, R96, R98, R100, R102, R104, R106, R108, R110, R112	RES 383 OHM 1/4W 1%	10
54	R1, R3, R5, R7, R9, R11, R13, R15, R17, R19, R21, R23, R25, R27, R29, R31, R33, R35, R37, R39, R41, R43, R45, R47, R49, R51, R53, R55, R57, R59, R61, R63, R65, R67, R69, R71, R73, R75, R77, R79, R81, R83, R85, R87, R89, R91, R93, R95, R97, R99, R101, R103 THRU R107, R109, R111	RES 178 OHM 1/4W 1%	11
1	E2	I.C. DEC 7430	12
1	E1	I.C. DEC 8881	13
1	E3	I.C. DEC 8837	14
2		HANDLE, FLIP-CHIP (MAGENTA)	15
4		EYELETS	16
1		DECAL	17

QTY	REF	DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
ETCH BOARD REV B					
DRN 10/1/77 CHKD 10/1/77 ENG 10/1/77 PROD ENG 10/1/77 PROD 10/1/77 NEXT HIGHER ASSY					
TITLE UNIBUS TERMINATOR					
SIZE CODE DCS NUMBER M9302-0-1 REV. D					
SCALE 1 OF 2					
SHEET 1 OF 2					

DEC NO	EIA NO	DEC NO	EIA NO
SEMICONDUCTOR CONVERSION CHART			



This drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced, copied or used in whole or in part in the manufacture of any equipment or any other product without the written consent of Digital Equipment Corporation.

6727
YTIUINITNOC THARG

FLIP CHIP

CHOP
HERE

K
L
M
N
P
R
S
T
V

2 3/8" FINISHED CUT
WORK HOLDER CATEGORY 11
PR# 7818

UNLESS OTHERWISE INDICATED
RESISTORS ARE
CAPACITORS ARE
DIODES ARE
TRANSISTORS ARE

BOARD FABRICATION NFO
BOARD SIZE NON STD. (2 3/8") STOCK CODE# 2230
BOARD MAT'L .055 THK.; 2oz COPPER CLAD
PLATED THRU ☐ EYELET ☒ SINGLE SIDED ☒
HOLES BEFORE PLATING
UNMARKED HOLES ARE
HOLES ARE PLACES
HOLES ARE PLACES
HOLES ARE PLACES
NOTCH BEFORE G.P. ☒ NOTCH AFTER G.P. ☒

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN S. PATTERSON		DATE 11-6-69	
CHK'D S. Mithunski		DATE 12-16-69	
ENG P.E. Jensen		DATE 1/28/70	
PROL P.E. Jensen		DATE 1/28/70	
PROD S. Mithunski		DATE 3/8/70	
FIRST USED ON G727		SIZE CODE C AH	
SCALE SHEET OF		NUMBER G727-0-5	
		REV. A	
		DIST. BAW/KSS	
		2. PINK	

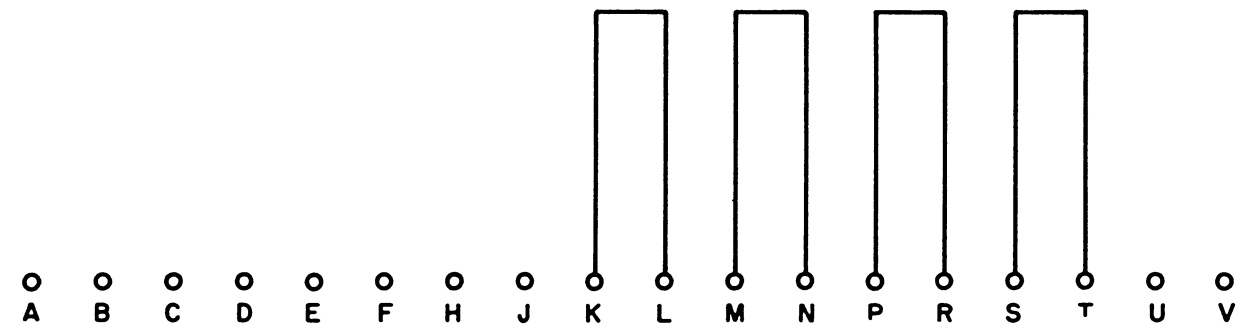
225

45678



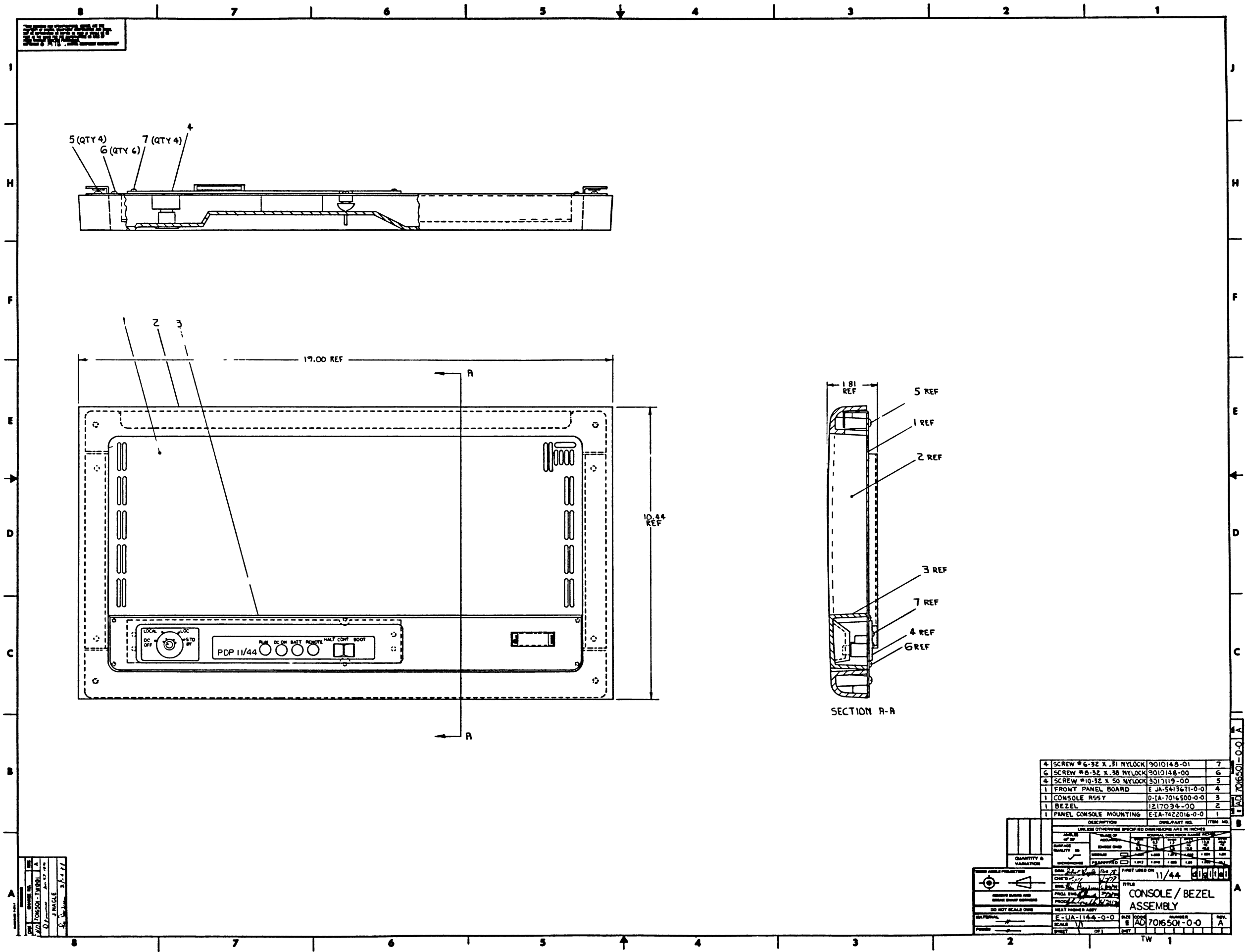
REV.	NUMBER G727-0-1	CS	B
------	--------------------	----	---

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1969 BY DIGITAL EQUIPMENT CORPORATION



REVISIONS CHK CHG NO. REV	DRN. BUTLER		DATE 11-19-69		TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE GRANT CONTINUITY G727			
	CHK'D P. J. Smith		DATE 6-15-70		DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER G727-0-1	REV.
	ENG. J. E. Janson		DATE 1/28/70										
	PROD.		DATE										





4	SCREW #6-32 X .31 NYLOCK	9010148-01	7
5	SCREW #8-32 X .38 NYLOCK	9010148-00	6
6	SCREW #10-32 X .50 NYLOCK	331119-00	5
1	FRONT PANEL BOARD	E JA-5413671-0-0	4
2	CONSOLE ASSY	D-1A-7016500-0-0	3
3	BEZEL	D-1A-7016500-0-0	2
4	PANEL CONSOLE MOUNTING	E-1A-7422016-0-0	1

QUANTITY & VARIATION	DESCRIPTION	QTY	UNIT	REMARKS
1	CONSOLE / BEZEL ASSEMBLY	1	ASSEMBLY	

DATE	11/44	TIME	11:44
BY	J. W. B.	CHKD	J. W. B.
APP'D	J. W. B.	REV	1

SCALE	1/1	DATE	11/44
FIG	1	REV	1

1	2	3	4	5	6	7	8	9	10	11	12
1	2	3	4	5	6	7	8	9	10	11	12

227

4

3

2

1

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION™

WIRE TABLE							
ITEM NO.	DESCRIPTION		FROM		TO		REMARKS
	AWG	COLOR	CONN.	WITH	CONN.	WITH	
5	22	BLK	PI-3	ITEM 2	PI-9	ITEM 2	3.0IN.±.06
5	22	BLK	PI-4	ITEM 2	PI-5	ITEM 2	3.0IN.±.06
3	—	KEY	—	—	PI-2	ITEM 3	SEE NOTE 3

NOTES:

1. PLACE LABEL (ITEM 4) ON CONNECTOR (ITEM 1) APPROX. AS SHOWN.

2. POSITIONS MARKED "*" ASTERIX IN VIEW A-A ARE NOT TO BE USED.

3. CONNECTOR (ITEM 1) SHALL HAVE ONE KEY (ITEM 3) INSERTED IN POSITION 2 AS SHOWN.

STRIP INSULATION .12

±.03

5

2 (REF)

1 (REF)

A

A

THIS SIDE UP

PI

4 (SEE NOTE 1)

20

19

2 (QTY 4)

9

5

3

4

2

1

3 (SEE NOTE 3)

VIEW A-A

6.0	WIRE, 22AWG, STRD, UL1429	9107350-00	5
1	LABEL (THIS SIDE UP) 1.0x.25	3611567-01	4
1	CONN, PIN (DUMMY), KEY	9009140-00	3
4	SOCKET, CRIMP TYP REEL	1210089-07	2
1	TERM. 24 POS. HOUSING	1210918-25	1

DESCRIPTION

DWG./PART NO.

ITEM NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
SURFACE QUALITY IN	MEDIUM	±.004	±.008	±.012	±.016	±.024	±.04
	PREFERRED	±.012	±.016	±.025	±.04	±.063	±.1

QUANTITY & VARIATION

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

DRN. R. Buxham

CHK'D J. F. Sullivan

ENG. R. Albert

PROJ. ENG. R. Allen

PROD. R. Geller

DEC 78

MAR 26 79

6/23/79

29 JUN 79

FIRST USED ON 11/44

TITLE CONNECTOR, LOOP BACK

SIZE C

CODE IA

NUMBER 7422428-0-0

REV. *

SHEET 1 OF 1

DIST.

REVISIONS

CHANGE NO.

REV.

CHK

DEC FORM NO

DWG 100-C

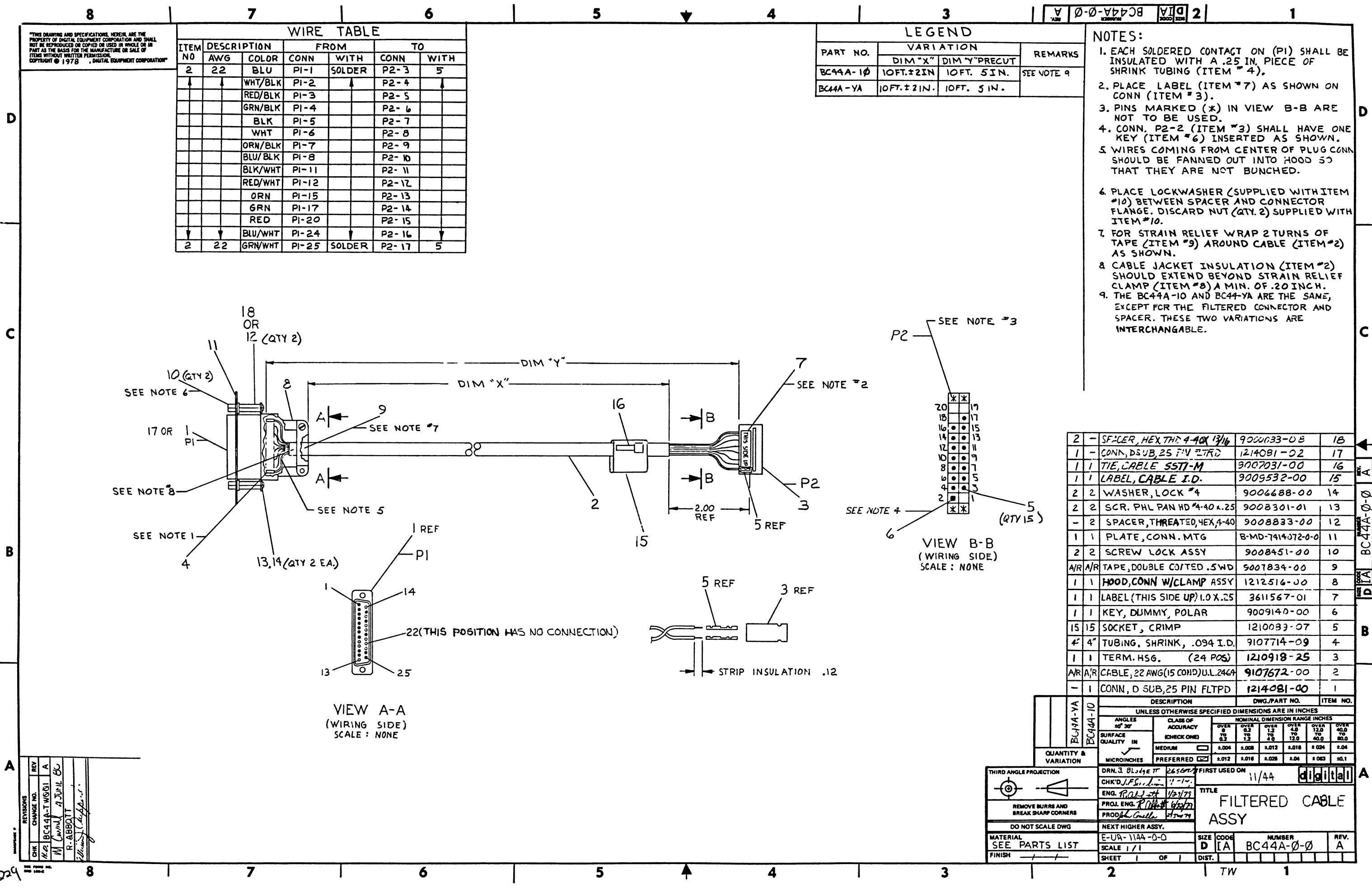
4

3

2

1

228

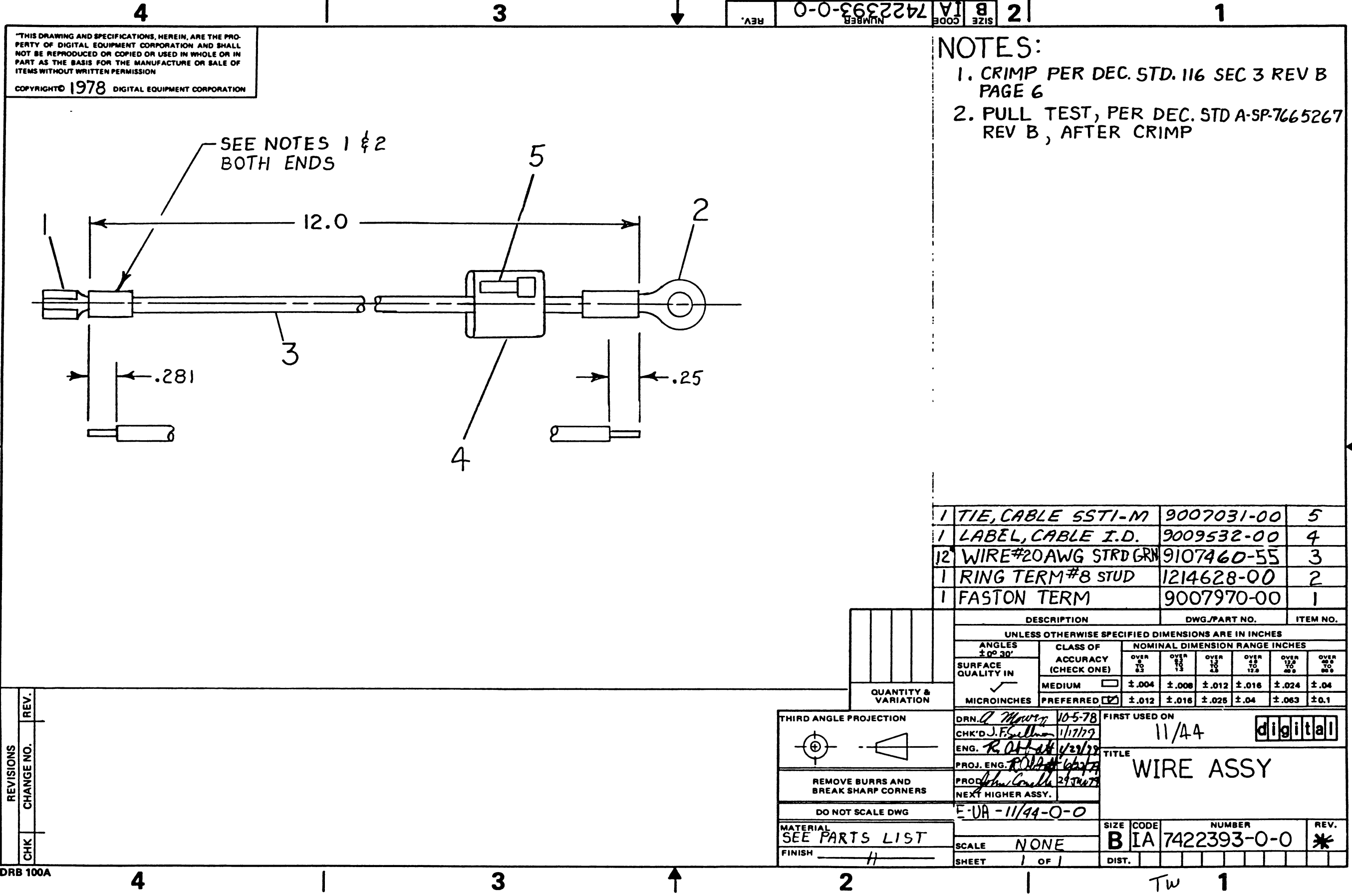


REV	CHANGE NO.	DATE	BY	CHK
1	BC44A-10	11/11/77	R. ABBOTT	
2	BC44A-10	11/11/77	R. ABBOTT	

QUANTITY & VARIATION	DESCRIPTION	DWG. PART NO.	ITEM NO.
2	SPACER, HEX THD 4-40 X 1 1/2	9000033-00	13
1	CONN, DSUB, 25 PIN FLTPD	1214081-00	17
1	TIE, CABLE SSTI-M	9007031-00	16
1	LABEL, CABLE I.D.	9009532-00	15
2	WASHER, LOCK #4	9006688-00	14
2	SCR. PHL PAN HD #4-40 X .25	9008301-01	13
-	SPACER, THREADED, 4X, 4-40	9008833-00	12
1	PLATE, CONN. MTG	8-MD-7414072-0-0	11
2	SCREW LOCK ASSY	9008451-00	10
A/R A/R	TAPE, DOUBLE COATED .5WD	9007834-00	9
1	HOOD, CONN W/CLAMP ASSY	1212516-00	8
1	LABEL (THIS SIDE UP) 1.0 X .25	3611567-01	7
1	KEY, DUMMY, POLAR	9009140-00	6
15	SOCKET, CRIMP	1210033-07	5
4	TUBING, SHRINK, .094 I.D.	9107714-09	4
1	TERM. HSG. (24 POS)	1210918-25	3
A/R A/R	CABLE, 22 AWG (15 COND) U.L. 2464	9107672-00	2
-	CONN, D SUB, 25 PIN FLTPD	1214081-00	1

ANGLES	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES					
90° 30'	12	OVER 0 TO 12	OVER 12 TO 18	OVER 18 TO 24	OVER 24 TO 36	OVER 36 TO 48	OVER 48 TO 60
SURFACE QUALITY	IN	2.004	2.008	2.012	2.016	2.024	2.04
MICROINCHES	PREFERRED	2.012	2.016	2.024	2.04	2.063	2.1

THIRD ANGLE PROJECTION	DRN. 3 01/11/77	FIRST USED ON	11/44
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D J.F.S. 11-11-77	TITLE	digital
DO NOT SCALE DWG	ENG. P. A. 11/11/77	FILTERED CABLE ASSY	
MATERIAL SEE PARTS LIST	PROJ. ENG. R. ABBOTT 11/11/77	SIZE	D
FINISH	PROD. CH. 11/11/77	CODE	IA
		NUMBER	BC44A-0-0
		REV.	A
		SHEET	1 OF 1
		DIST.	



"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION

- NOTES:
- 1. CRIMP PER DEC. STD. 116 SEC 3 REV B PAGE 6
 - 2. PULL TEST, PER DEC. STD A-SP-7665267 REV B, AFTER CRIMP

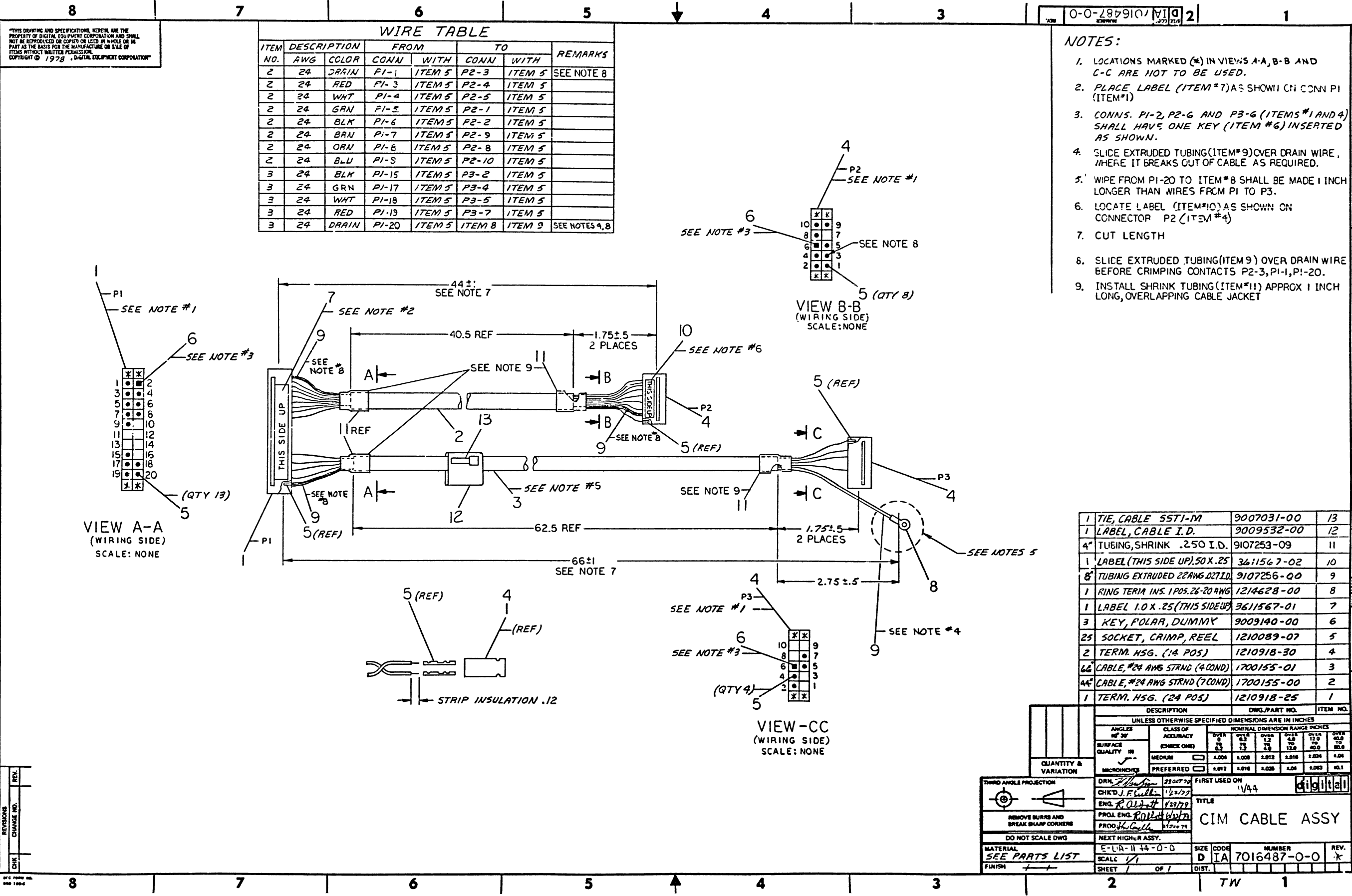
1	TIE, CABLE SSTI-M	9007031-00	5
1	LABEL, CABLE I.D.	9009532-00	4
12	WIRE #20AWG STRD GRN	9107460-55	3
1	RING TERM #8 STUD	1214628-00	2
1	FASTON TERM	9007970-00	1

DESCRIPTION		DWG./PART NO.			ITEM NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES								
ANGLES ± 0° 30'		CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES					
SURFACE QUALITY IN ✓ MICROINCHES			OVER TO 0.3	OVER 0.3 TO 1.3	OVER 1.3 TO 4.9	OVER 4.9 TO 12.9	OVER 12.9 TO 20.9	OVER 20.9 TO 80.9
		MEDIUM ☐	±.004	±.008	±.012	±.016	±.024	±.04
		PREFERRED ☒	±.012	±.016	±.025	±.04	±.063	±.04

THIRD ANGLE PROJECTION	DRN. <i>A. Mowry</i> 10-5-78	FIRST USED ON	11/44	digital
	CHK'D <i>J.F. Sullivan</i> 1/17/79			
REMOVE BURRS AND BREAK SHARP CORNERS	ENG. <i>R. O. H. H.</i> 1/29/78	TITLE		
DO NOT SCALE DWG	PROJ. ENG. <i>R. O. H. H.</i> 1/29/78	WIRE ASSY		
MATERIAL SEE PARTS LIST	PROD. <i>John G. Smith</i> 2/9/78	NEXT HIGHER ASSY.		
FINISH <i>H</i>	E-VA-11/44-0-0			
SCALE NONE	SHEET 1 OF 1	SIZE CODE	NUMBER	REV.
		B IA	7422393-0-0	*

REV.	CHANGE NO.	CHK

DRB 100A



WIRE TABLE							
ITEM NO.	AWG	COLOR	CONN	WITH	CONN	WITH	REMARKS
2	24	DRAIN	P1-1	ITEM 5	P2-3	ITEM 5	SEE NOTE 8
2	24	RED	P1-3	ITEM 5	P2-4	ITEM 5	
2	24	WHT	P1-4	ITEM 5	P2-5	ITEM 5	
2	24	GRN	P1-5	ITEM 5	P2-1	ITEM 5	
2	24	BLK	P1-6	ITEM 5	P2-2	ITEM 5	
2	24	BRN	P1-7	ITEM 5	P2-9	ITEM 5	
2	24	ORN	P1-8	ITEM 5	P2-8	ITEM 5	
2	24	BLU	P1-9	ITEM 5	P2-10	ITEM 5	
3	24	BLK	P1-15	ITEM 5	P3-2	ITEM 5	
3	24	GRN	P1-17	ITEM 5	P3-4	ITEM 5	
3	24	WHT	P1-18	ITEM 5	P3-5	ITEM 5	
3	24	RED	P1-19	ITEM 5	P3-7	ITEM 5	
3	24	DRAIN	P1-20	ITEM 5	ITEM 8	ITEM 9	SEE NOTES 4,8

- NOTES:
- LOCATIONS MARKED (*) IN VIEWS A-A, B-B AND C-C ARE NOT TO BE USED.
 - PLACE LABEL (ITEM #7) AS SHOWN ON CONN P1 (ITEM #1)
 - CONNS. P1-2, P2-6 AND P3-6 (ITEMS #1 AND 4) SHALL HAVE ONE KEY (ITEM #6) INSERTED AS SHOWN.
 - SLIDE EXTRUDED TUBING (ITEM #9) OVER DRAIN WIRE, WHERE IT BREAKS OUT OF CABLE AS REQUIRED.
 - WIPE FROM P1-20 TO ITEM #8 SHALL BE MADE 1 INCH LONGER THAN WIRES FROM P1 TO P3.
 - LOCATE LABEL (ITEM #10) AS SHOWN ON CONNECTOR P2 (ITEM #4)
 - CUT LENGTH
 - SLICE EXTRUDED TUBING (ITEM #9) OVER DRAIN WIRE BEFORE CRIMPING CONTACTS P2-3, P1-1, P1-20.
 - INSTALL SHRINK TUBING (ITEM #11) APPROX 1 INCH LONG, OVERLAPPING CABLE JACKET

1	TIE, CABLE SSTI-M	9007031-00	13
1	LABEL, CABLE I.D.	9009532-00	12
4"	TUBING, SHRINK .250 I.D.	9107253-09	11
1	LABEL (THIS SIDE UP) .50 X .25	3611567-02	10
8"	TUBING EXTRUDED 22AWG .027 I.D.	9107256-00	9
1	RING TERM INS. 1 POS. 26-20 AWG	1214628-00	8
1	LABEL 1.0 X .25 (THIS SIDE UP)	3611567-01	7
3	KEY, POLAR, DUMMY	9009140-00	6
25	SOCKET, CRIMP, REEL	1210089-07	5
2	TERM. HSG. (14 POS)	1210918-30	4
66"	CABLE, #24 AWG STRND (4 COND)	1700155-01	3
44"	CABLE, #24 AWG STRND (7 COND)	1700155-00	2
1	TERM. HSG. (24 POS)	1210918-25	1

DESCRIPTION		DWG/PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 90° 30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY	(CHECK ONE)	OVER 0 TO 0.25	OVER 0.25 TO 0.50
MEDIUM	☐	0.50 TO 1.00	1.00 TO 2.00
PREFERRED	☐	2.00 TO 4.00	4.00 TO 10.0
FIRST USED ON 11/44			
TITLE			
CIM CABLE ASSY			
E-LIA-1144-0-0		SIZE	CODE
SCALE 1/1		D	IA
SHEET 1 OF 1		NUMBER	REV.
		7016487-0-0	*

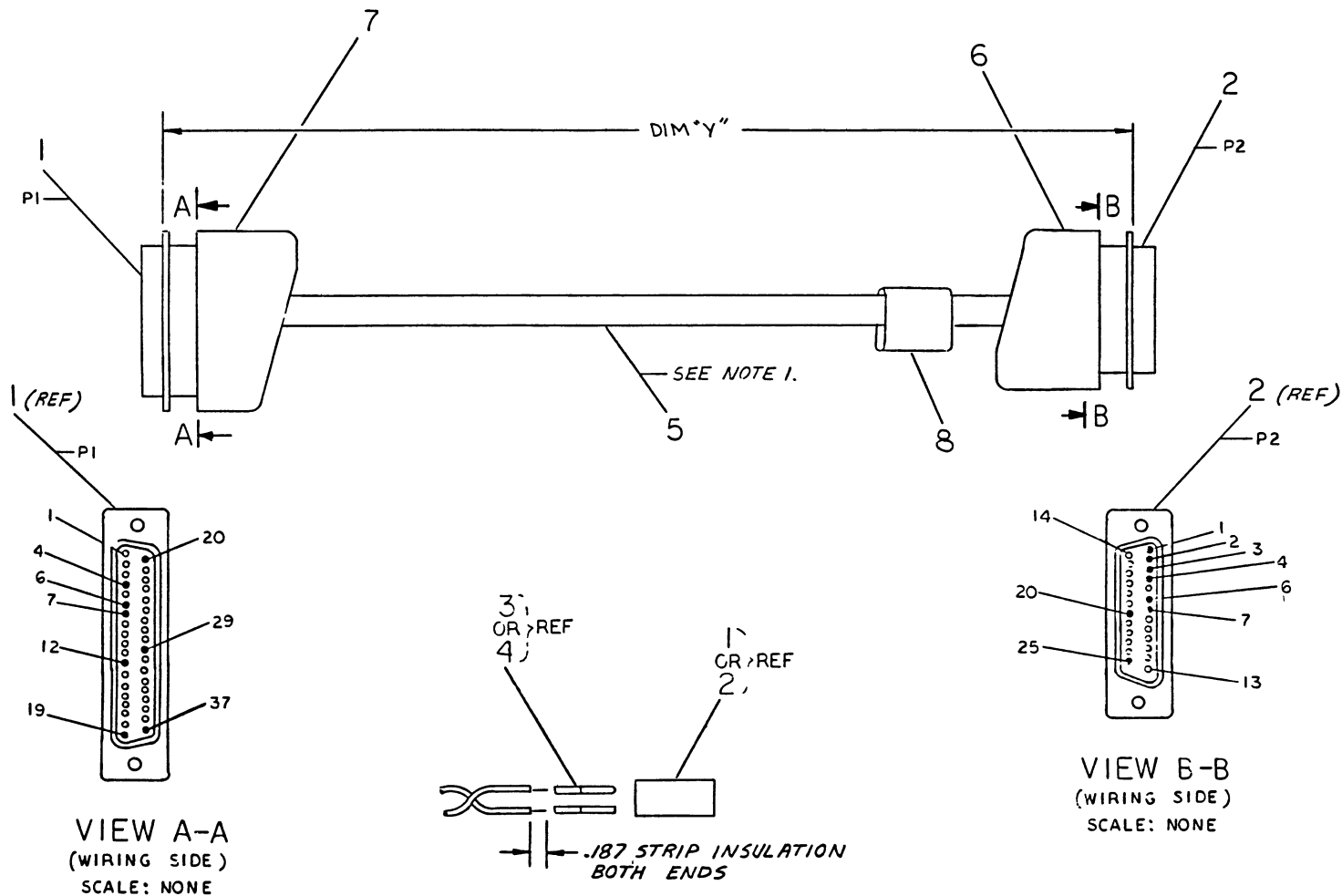
REV.	
CHG	
DATE	

ITEM NO.	DESCRIPTION		FROM		TO		REMARKS
	AWG	COLOR	CONN	WITH	CONN	WITH	
5	22	BLK	P1-37	ITEM 3	P2-1	ITEM 4	
5	22	RED	P1-4	ITEM 3	P2-2	ITEM 4	
5	22	WHT	P1-6	ITEM 3	P2-3	ITEM 4	
5	22	GRN	P1-7	ITEM 3	P2-4	ITEM 4	
5	22	BRN	P1-29	ITEM 3	P2-6	ITEM 4	
5	22	GRY	P1-20	ITEM 3	P2-7	ITEM 4	
5	22	BLU	P1-12	ITEM 3	P2-20	ITEM 4	
5	22	ORN	P1-19	ITEM 3	P2-25	ITEM 4	

LEGEND		
PART NO.	VARIAION	REMARKS
	DIM."Y"	
BC44B-Ø1	12.00 IN ± 1 IN	

NOTES:

1. THE YELLOW AND PURPLE CONDUCTORS ARE NOT USED, AND SHOULD BE CUT NEAR CABLE JACKET ON BOTH ENDS.

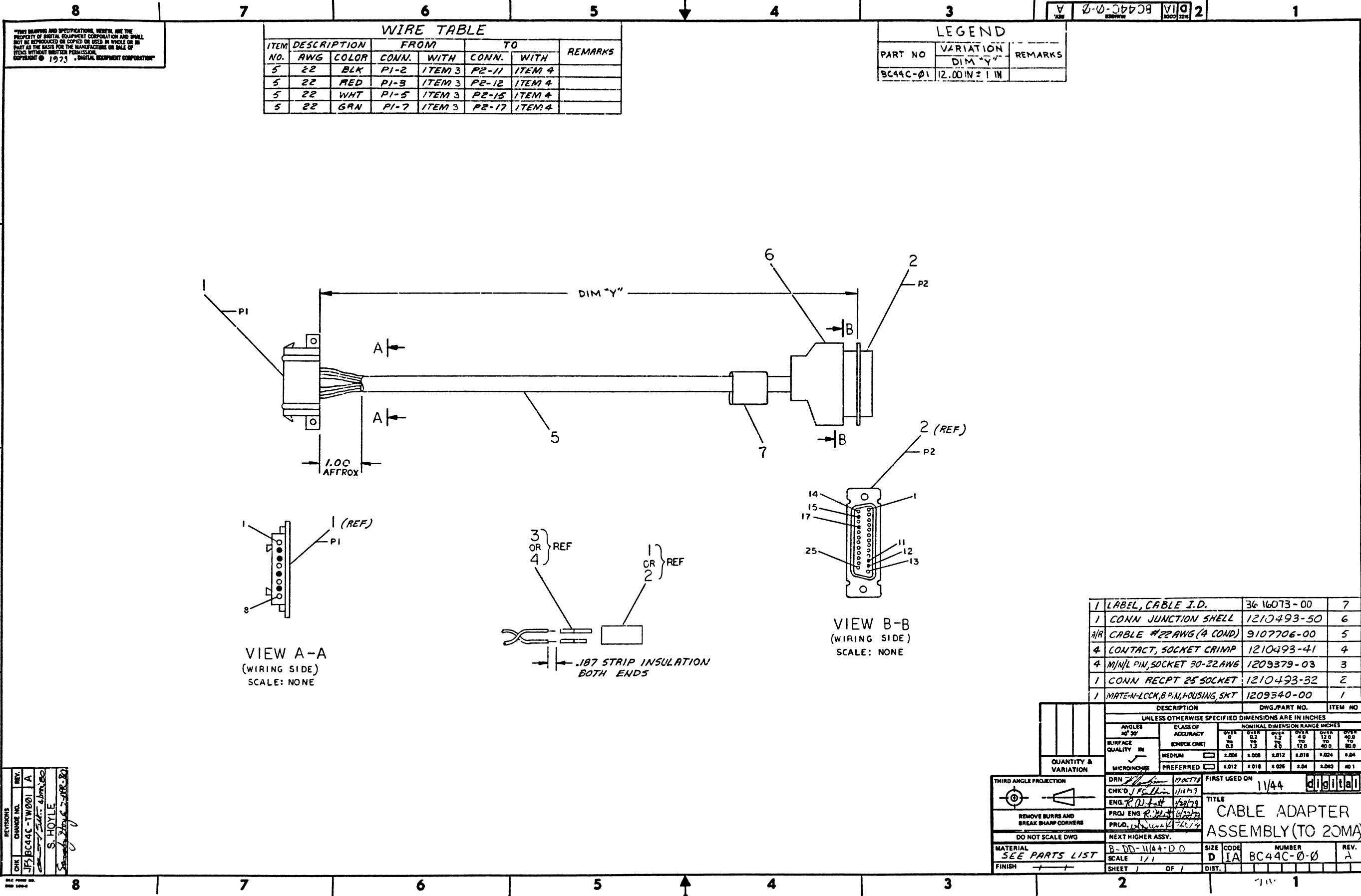


1	LABEL, CABLE I.D.	3616073-00	8
1	HOOD, CONN. CABLE CLAMP	1214066-00	7
1	HOOD, HOUSING	1210493-50	3
A/R	CABLE #22AWG (10 COND)	3107623-00	5
8	CONTACT SOCKET, CRIMP	1210493-41	4
8	CONTACT PIN, CRIMP	1210493-39	3
1	CONN. HOUSING	1210493-32	2
1	CONN. PLUG 37 PIN	1214065-00	1

DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
CLASS OF ACCURACY		NOMINAL DIMENSION RANGE INCHES			
ANGLES 30° 30'		OVER 0.2	OVER 0.2	OVER 4.0	OVER 4.0
SURFACE QUALITY		TO 15	TO 15	TO 15	TO 15
IN		0.2	0.2	4.0	4.0
MEDIUM		0.004	0.008	0.012	0.024
PREFERRED		0.012	0.016	0.028	0.063
MICROINCHES		0.1	0.2	0.3	0.6

THIRD ANGLE PROJECTION		DRN. <i>J.F. Sullivan</i> 19 OCT 78 CHK'D <i>J.F. Sullivan</i> 1/4/79 ENG. <i>R.P.H.</i> 1/24/79 PROJ. ENG. <i>R.P.H.</i> 1/24/79 PROD. <i>J.F. Sullivan</i> 7/2/79		FIRST USED ON 11/44 digital		
 REMOVE BURRS AND BREAK SHARP CORNERS		TITLE CABLE ADAPTER ASSEMBLY (TO EIA RS422 & RS423)				
DO NOT SCALE DWG		NEXT HIGHER ASSY.				
MATERIAL SEE PARTS LIST		B-DD-11/44-0- SCALE 1/1		SIZE CODE D IA	NUMBER BC44B-0-0	REV A
FINISH <i>+</i> <i>+</i> <i>+</i>		SHEET 1 OF 1		DIST.		

REVISIONS		
CHK	CHANGE NO.	REV.
9.2	BC44B-TW001	A
<i>L. McNamee</i> 4/24/80		
S. HOYLE		
4/24/80		

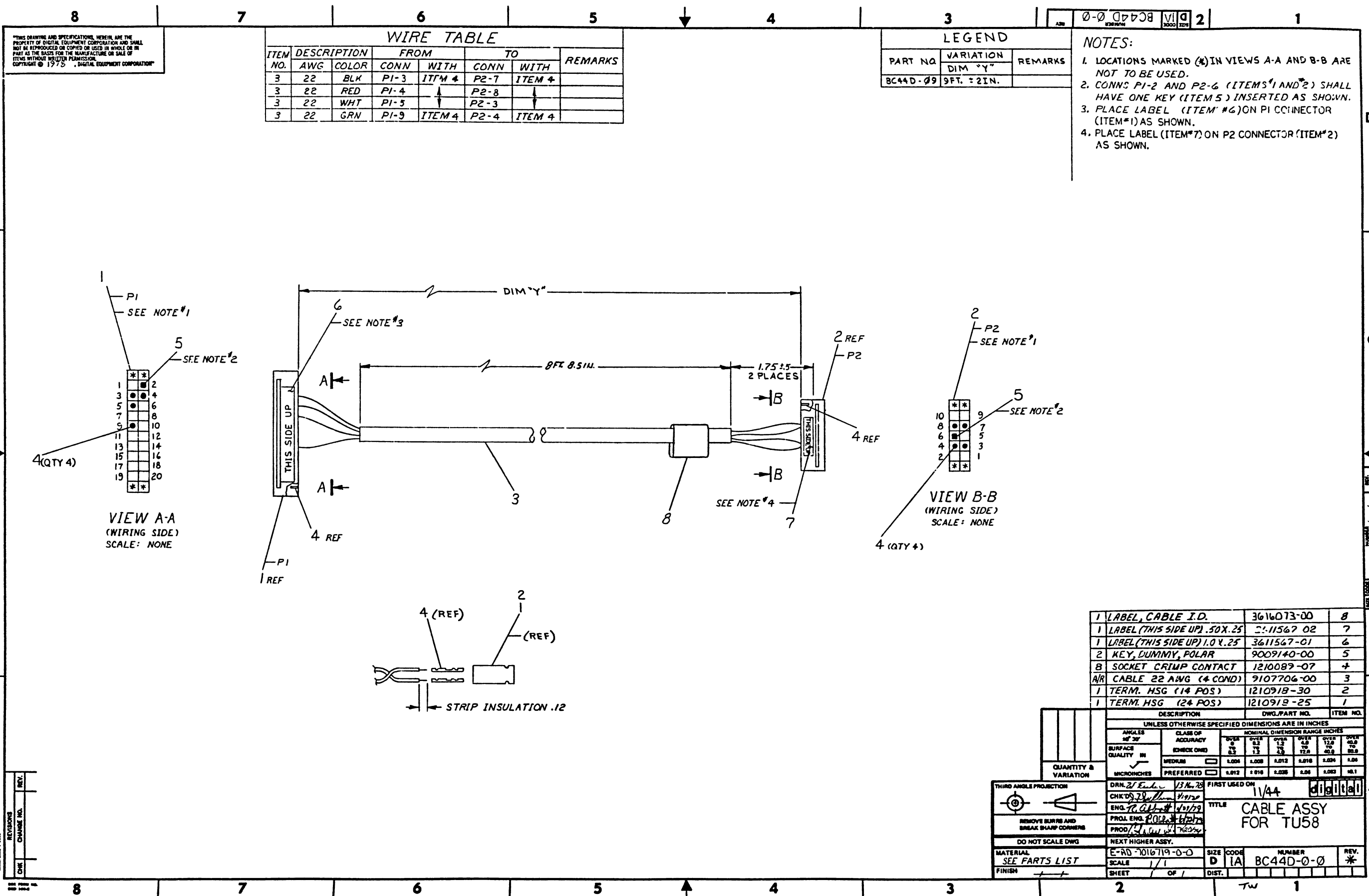


WIRE TABLE							
ITEM NO.	DESCRIPTION	FROM		TO		REMARKS	
		CONN.	WITH	CONN.	WITH		
5	22 BLK	P1-2	ITEM 3	P2-11	ITEM 4		
5	22 RED	P1-3	ITEM 3	P2-12	ITEM 4		
5	22 WHT	P1-5	ITEM 3	P2-15	ITEM 4		
5	22 GRN	P1-7	ITEM 3	P2-17	ITEM 4		

LEGEND		
PART NO	VARIATION	REMARKS
BC44C-01	12.00 IN ± 1 IN	

1	LABEL, CABLE I.D.	36 16073-00	7
1	CONN JUNCTION SHELL	1210493-50	6
1/4	CABLE #22AWG (4 COND)	9107706-00	5
4	CONTACT, SOCKET CRIMP	1210493-41	4
4	M/N/L PIN, SOCKET 30-22AWG	1209379-03	3
1	CONN REPT 25 SOCKET	1210493-32	2
1	MATE-N-LOCK, B.P.N. HOUSING, SKT	1209340-00	1

QUANTITY & VARIATION		DESCRIPTION	DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES				
ANGLES 90° 30°		CLASS OF ACCURACY (CHECK ONE)		
SURFACE QUALITY IN		NOMINAL DIMENSION RANGE INCHES		
MICROINCHES		OVER 0 TO 0.125		
		0.125 TO 0.250		
		0.250 TO 0.500		
		0.500 TO 1.000		
		1.000 TO 2.000		
		2.000 TO 4.000		
		4.000 TO 8.000		
		8.000 TO 16.000		
		16.000 TO 32.000		
		32.000 TO 64.000		
		64.000 TO 128.000		
		128.000 TO 256.000		
		256.000 TO 512.000		
		512.000 TO 1024.000		
		1024.000 TO 2048.000		
		2048.000 TO 4096.000		
		4096.000 TO 8192.000		
		8192.000 TO 16384.000		
		16384.000 TO 32768.000		
		32768.000 TO 65536.000		
		65536.000 TO 131072.000		
		131072.000 TO 262144.000		
		262144.000 TO 524288.000		
		524288.000 TO 1048576.000		
		1048576.000 TO 2097152.000		
		2097152.000 TO 4194304.000		
		4194304.000 TO 8388608.000		
		8388608.000 TO 16777216.000		
		16777216.000 TO 33554432.000		
		33554432.000 TO 67108864.000		
		67108864.000 TO 134217728.000		
		134217728.000 TO 268435456.000		
		268435456.000 TO 536870912.000		
		536870912.000 TO 1073741824.000		
		1073741824.000 TO 2147483648.000		
		2147483648.000 TO 4294967296.000		
		4294967296.000 TO 8589934592.000		
		8589934592.000 TO 17179869184.000		
		17179869184.000 TO 34359738368.000		
		34359738368.000 TO 68719476736.000		
		68719476736.000 TO 137438953472.000		
		137438953472.000 TO 274877906944.000		
		274877906944.000 TO 549755813888.000		
		549755813888.000 TO 1099511627776.000		
		1099511627776.000 TO 2199023255552.000		
		2199023255552.000 TO 4398046511104.000		
		4398046511104.000 TO 8796093022208.000		
		8796093022208.000 TO 17592186044416.000		
		17592186044416.000 TO 35184372088832.000		
		35184372088832.000 TO 70368744177664.000		
		70368744177664.000 TO 140737488355328.000		
		140737488355328.000 TO 281474976710656.000		
		281474976710656.000 TO 562949953421312.000		
		562949953421312.000 TO 1125899906842624.000		
		1125899906842624.000 TO 2251799813685248.000		
		2251799813685248.000 TO 4503599627370496.000		
		4503599627370496.000 TO 9007199254740992.000		
		9007199254740992.000 TO 18014398509481984.000		
		18014398509481984.000 TO 36028797018963968.000		
		36028797018963968.000 TO 72057594037927936.000		
		72057594037927936.000 TO 144115188075855872.000		
		144115188075855872.000 TO 288230376151711744.000		
		288230376151711744.000 TO 576460752303423488.000		
		576460752303423488.000 TO 1152921504606846976.000		
		1152921504606846976.000 TO 2305843009213693952.000		
		2305843009213693952.000 TO 4611686018427387904.000		
		4611686018427387904.000 TO 9223372036854775808.000		
		9223372036854775808.000 TO 18446744073709551616.000		
		18446744073709551616.000 TO 36893488147419103232.000		
		36893488147419103232.000 TO 73786976294838206464.000		
		73786976294838206464.000 TO 147573952589676412928.000		
		147573952589676412928.000 TO 295147905179352825856.000		
		295147905179352825856.000 TO 590295810358705651712.000		
		590295810358705651712.000 TO 1180591620717411303424.000		
		1180591620717411303424.000 TO 2361183241434822606848.000		
		2361183241434822606848.000 TO 4722366482869645213696.000		
		4722366482869645213696.000 TO 9444732965739290427392.000		
		9444732965739290427392.000 TO 18889465931478580854784.000		
		18889465931478580854784.000 TO 37778931862957161709568.000		
		37778931862957161709568.000 TO 75557863725914323419136.000		
		75557863725914323419136.000 TO 151115727451828646838272.000		
		151115727451828646838272.000 TO 302231454903657293676544.000		
		302231454903657293676544.000 TO 604462909807314587353088.000		
		604462909807314587353088.000 TO 1208925819614629174706176.000		
		1208925819614629174706176.000 TO 2417851639229258349412352.000		
		2417851639229258349412352.000 TO 4835703278458516698824704.000		
		4835703278458516698824704.000 TO 9671406556917033397649408.000		
		9671406556917033397649408.000 TO 19342813113834066795298816.000		
		19342813113834066795298816.000 TO 38685626227668133590597632.000		
		38685626227668133590597632.000 TO 77371252455336267181195264.000		
		77371252455336267181195264.000 TO 154742504910672534362390528.000		
		154742504910672534362390528.000 TO 309485009821345068724781056.000		
		309485009821345068724781056.000 TO 618970019642690137449562112.000		
		618970019642690137449562112.000 TO 1237940039285380274899124224.000		
		1237940039285380274899124224.000 TO 2475880078570760549798248448.000		
		2475880078570760549798248448.000 TO 4951760157141521099596496896.000		
		4951760157141521099596496896.000 TO 9903520314283042199192993792.000		
		9903520314283042199192993792.000 TO 19807040628566084398385987584.000		
		19807040628566084398385987584.000 TO 39614081257132168796771975168.000		
		39614081257132168796771975168.000 TO 79228162514264337593543950336.000		
		79228162514264337593543950336.000 TO 158456325028528675187087900672.000		
		158456325028528675187087900672.000 TO 316912650057057350374175801344.000		
		316912650057057350374175801344.000 TO 633825300114114700748351602688.000		
		633825300114114700748351602688.000 TO 1267650600228229401496703205376.000		
		1267650600228229401496703205376.000 TO 2535301200456458802993406410752.000		
		2535301200456458802993406410752.000 TO 5070602400912917605986812821504.000		
		5070602400912917605986812821504.000 TO 10141204801825835211973625643008.000		
		10141204801825835211973625643008.000 TO 20282409603651670423947251286016.000		
		20282409603651670423947251286016.000 TO 40564819207303340847894502572032.000		
		40564819207303340847894502572032.000 TO 81129638414606681695789005144064.000		
		81129638414606681695789005144064.000 TO 162259276829213363391578010288128.000		



THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1975, DIGITAL EQUIPMENT CORPORATION

WIRE TABLE						
ITEM NO.	AWG	COLOR	FROM		TO	
			CONN	WITH	CONN	WITH
3	22	BLK	P1-3	ITEM 4	P2-7	ITEM 4
3	22	RED	P1-4	↑	P2-8	↑
3	22	WHT	P1-5	↑	P2-3	↑
3	22	GRN	P1-9	ITEM 4	P2-4	ITEM 4

LEGEND		
PART NO	VARIATION	
	DIM "Y"	
BC44D-09	9 FT. ± 2 IN.	

- NOTES:
1. LOCATIONS MARKED (*) IN VIEWS A-A AND B-B ARE NOT TO BE USED.
 2. CONNS P1-2 AND P2-6 (ITEMS 1 AND 2) SHALL HAVE ONE KEY (ITEM 5) INSERTED AS SHOWN.
 3. PLACE LABEL (ITEM #6) ON P1 CONNECTOR (ITEM #1) AS SHOWN.
 4. PLACE LABEL (ITEM #7) ON P2 CONNECTOR (ITEM #2) AS SHOWN.

VIEW A-A
(WIRING SIDE)
SCALE: NONE

VIEW B-B
(WIRING SIDE)
SCALE: NONE

1 LABEL, CABLE I.D.	3616073-00	8
1 LABEL (THIS SIDE UP) .50 X .25	3611567-02	7
1 LABEL (THIS SIDE UP) 1.0 X .25	3611567-01	6
2 KEY, DUMMY, POLAR	9009140-00	5
8 SOCKET CRIMP CONTACT	1210089-07	4
A/R CABLE 22 AWG (4 COND)	9107706-00	3
1 TERM. HSG (14 POS)	1210918-30	2
1 TERM. HSG (24 POS)	1210918-25	1

DESCRIPTION		DWG. PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES 30° 30'	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES			
		OVER 0.0 TO 1.0	OVER 1.0 TO 2.0	OVER 2.0 TO 4.0	OVER 4.0 TO 12.0
SURFACE QUALITY IN	CHECK ONE	1.004	1.008	1.012	1.016
	MEDIUM	1.004	1.008	1.012	1.016
MICRONCHES	PREFERRED	1.012	1.016	1.020	1.024
		1.012	1.016	1.020	1.024

THIRD ANGLE PROJECTION	DRN. 2/1/78	FIRST USED ON	11/44	digital
CHKD. 2/1/78	1/19/78	ENG. 2/1/78	1/19/78	
PROJ. ENG. 2/1/78	1/19/78	PROD. 2/1/78	1/19/78	
NEXT HIGHER ASSY.				
DO NOT SCALE DWG.				
MATERIAL SEE PARTS LIST				
FINISH				
E-20-1016719-0-0		SIZE	D	CODE
SCALE 1/1		NUMBER	BC44D-0-0	REV. *
SHEET 1 OF 1		DIST.		

REV.	CHANGE NO.	DATE
1		

"THE MATERIAL HEREIN IS FOR INFORMATION PURPOSES ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE. DIGITAL EQUIPMENT CORPORATION ASSUMES NO RESPONSIBILITY FOR ANY ERRORS WHICH MAY APPEAR HEREIN."

DRAWING DIRECTORY

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION.

[illegible]

REVISIONS		REV.	A									
		CHANGE NO.										
CHK	-	INT. RELEASE										

USED ON OPTION/MODEL	DRN. H.	DATE 31	TITLE MS11-M ECC MOS MEMORY									
11/44	DARAKJIAN	JAN 79										
	CHK'D. J.	DATE 19	SIZE CODE NUMBER REV B DD MS11-M A									
	DINOPOULOS	DEC 79										
	PROJ. ENG.	DATE 19	DIST.									
	J. MANTON	DEC 79										
	PROD.	DATE										
SHEET 1 OF 2	Bob [Signature]	1/9/80										

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES: 1. QTY OF 1 DEPENDING ON VARIATION USED (MS11-MA) 2. QTY OF 1 DEPENDING ON VARIATION USED (MS11-MB)			
MADE BY H. DARAKJIAN DATE 31 JAN 79		CHECKED D. HEALY DATE 26 DEC 79		SECTION 1		MS11-MA	MS11-MB	MS11-MC	MS11-MD										
ENG J. E. MANTON DATE 1-15-80		PROD B. SCHAAF DATE 1-15-80		ISSUED SECTION 1															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION		
1	K-PL-M8722-AA-DBP	M8722-AB	128K BYTES/MOSTEK 16K CHIPS														NOTES: 3. A QTY OF 2 MS11-MB MODULES (SEE NOTE 2 FOR VARIATION) 4. A QTY OF 3 MS11-MB MODULES (SEE NOTE 2 FOR VARIATION)		
2	K-PL-M8722-AA-DBP	M8722-AC	128K BYTES/FUJITSU 16K CHIPS																
3	K-PL-M8722-AA-DBP	M8722-AF	128K BYTES/HITACHI 16K CHIPS																
4	K-PL-M8722-BA-DBP	M8722-BB	256K BYTES/MOSTEK 16K CHIPS																
5	K-PL-M8722-BA-DBP	M8722-BC	256K BYTES/FUJITSU 16K CHIPS																
6	K-PL-M8722-BA-DBP	M8722-BF	256K BYTES/HITACHI 16K CHIPS																
7	B-PL-MS11-M		MS11-M SHIPPING LIST																
E.C.O. NO.																			
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 79 DIGITAL EQUIPMENT CORPORATION"				TITLE ECC MOS MEMORY (MS11-M)				ASSY NO. B-DD-MS11-M				SIZE B	CODE PL	NUMBER MS11-M-Ø		REV. A			
								SHEET 1 OF 1				INSERTION PARTS LIST DATA BASE REV							

4

1

3

↓

REV. 7

MSII-M-7

BS

BS

2

1

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION

COPYRIGHT 1978 DIGITAL EQUIPMENT CORPORATION

MODIFIED HAMMING CODE MATRIX

DATA BITS

SYNDROME BITS

	BYTE 0	BYTE 1	BYTE 2	BYTE 3	CHECK BITS
	0 1 2 3 4 5 6 7	8 9 10 11 12 13 14 15	16 17 18 19 20 21 22 23	24 25 26 27 28 29 30 31	C1 C2 C4 C8 C16 C32 CT
S1	X	X	X	X	X
S2		X	X		X
S4			X	X	X
S8	X	X	X	X	X
S16	X	X	X	X	X
S32			X	X	X
ST	X		X	X	X

EACH CHECK BIT IS THE RESULT OF ODD PARITY GENERATED ON THE DATA BITS DESIGNATED BY X. I.E. C1 IS f(1,3,5,7,9.... 29,31). C32 IS f(8 THRU 31). THE EXCEPTION IS CT, WHICH IS THE RESULT OF EVEN PARITY.

2. SYNDROME BITS (S1 ETC.) ARE FORMED BY A COMPARISON OF THE CHECK BITS READ FROM MEMORY AND THE NEW CHECK BITS GENERATED ON THE DATA READ FROM MEMORY.

3. A SINGLE ERROR WILL CAUSE AN ODD NUMBER OF SYNDROME BITS TO GO HIGH

E.G. IF BIT 1 FAILS S1, S8 & S16 WILL GO HIGH.

IF BIT 15 FAILS S1, S2, S4, S8 & S32 WILL GO HIGH.

A DOUBLE ERROR WILL CAUSE AN EVEN NUMBER OF SYNDROME BITS TO GO HIGH.

E.G. IF BITS 0 & 1 FAIL S1 & ST WILL GO HIGH; BUT S8 & S16 WILL NOT SINCE C8 & C16 ARE COMMON TO BITS 0 & 1 AND THE PARITY REMAINS UNCHANGED.

MEMORY CHECK BITS

GENERATED CHECK BITS

SYNDROME BITS

REVISIONS

CHANGE NO.

REV.

INT. RELEASE

A

DRB 100A

4

1

3

↓

2

1

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL

FINISH

DESCRIPTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ANGLES

SURFACE QUALITY IN

CLASS OF ACCURACY

NOMINAL DIMENSION RANGE INCHES

QUANTITY & VARIATION

DRN.

CHK'D

ENG.

PRO. ENG.

PROD.

NEXT HIGHER ASSY.

B-DD-MSII-M

SCALE

SHEET

OF

1

11/44

digital

MSII-M

ERROR CHECK CODE

SIZE

CODE

NUMBER

REV.

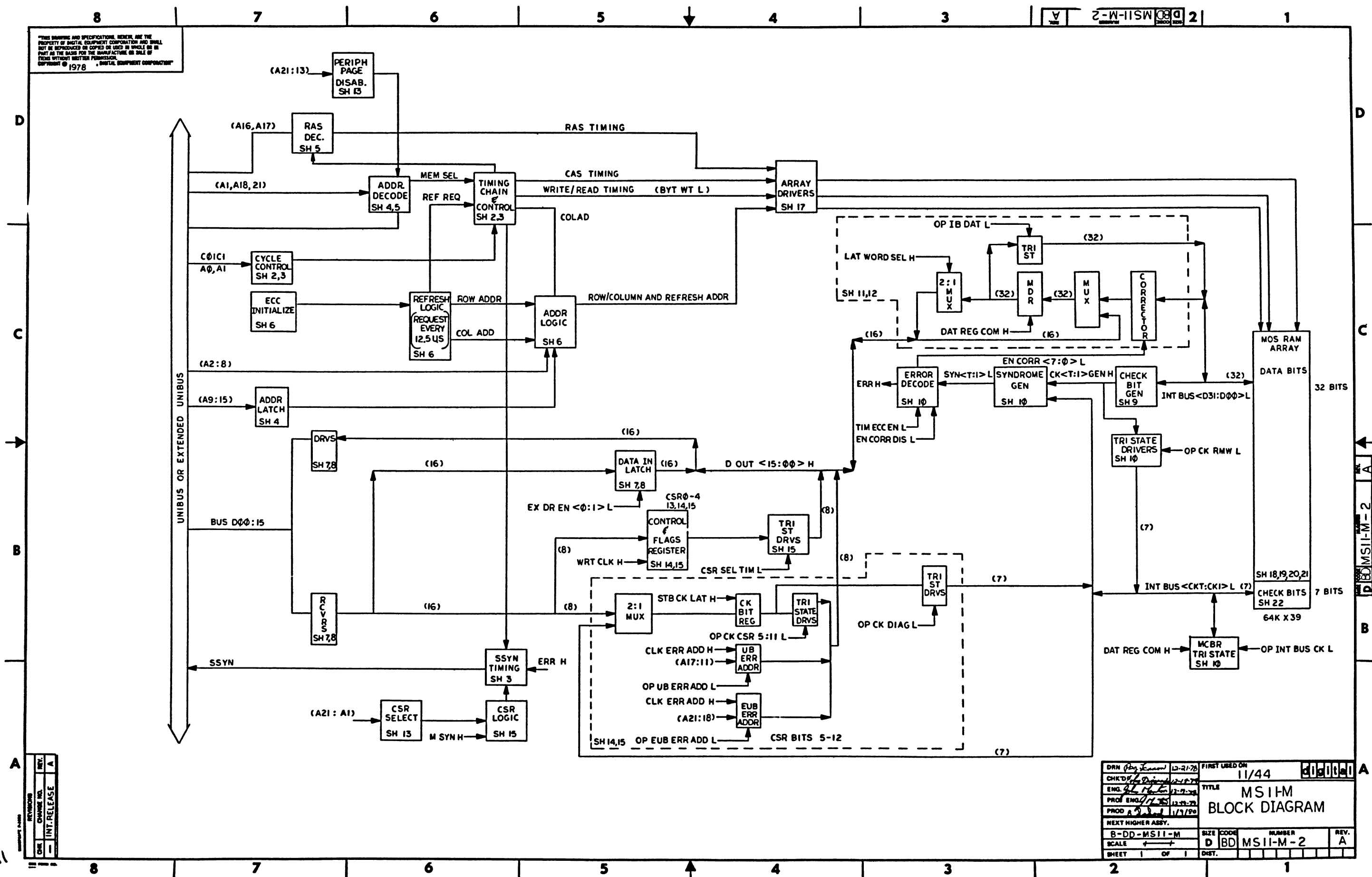
B

BS

MSII-M-7

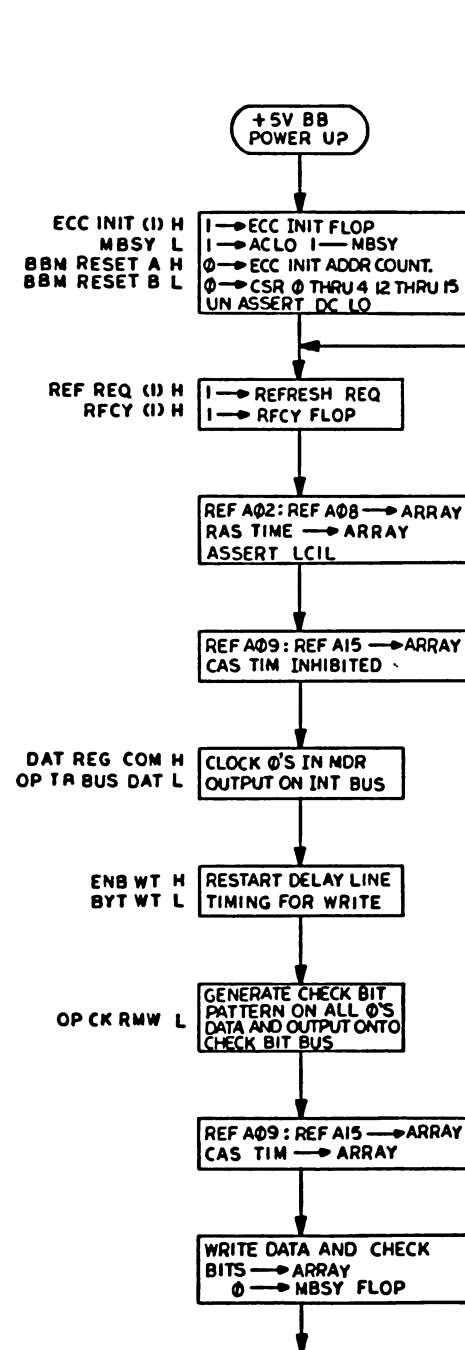
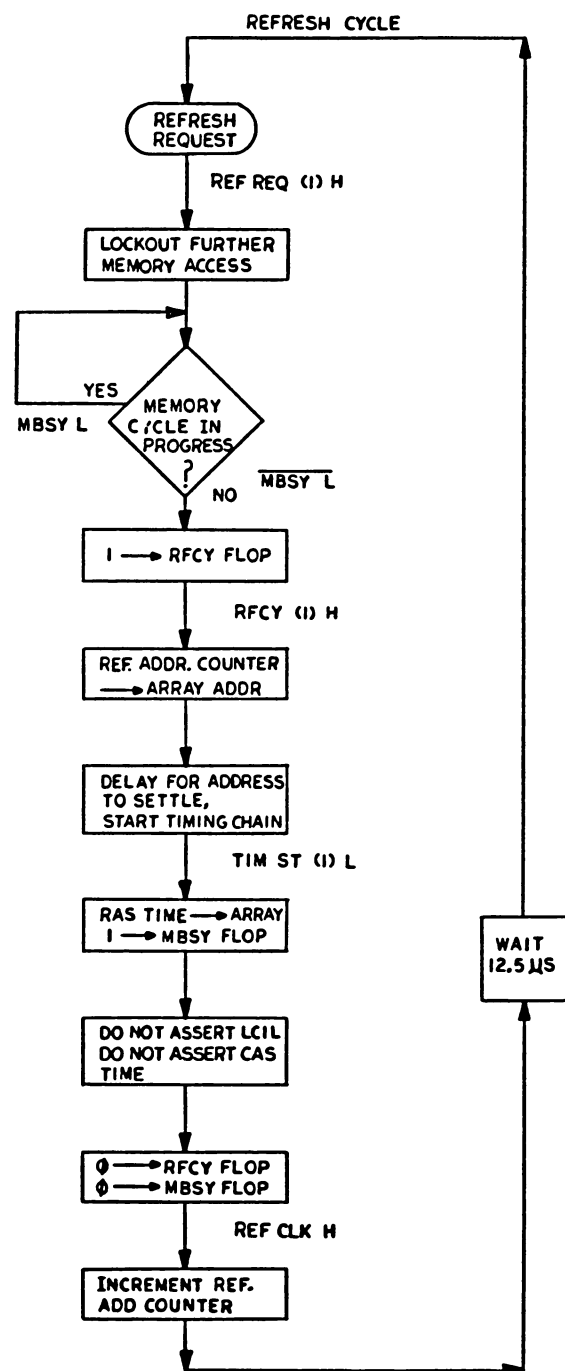
A

240



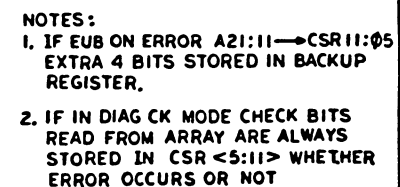
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION

3-W-11SW 2

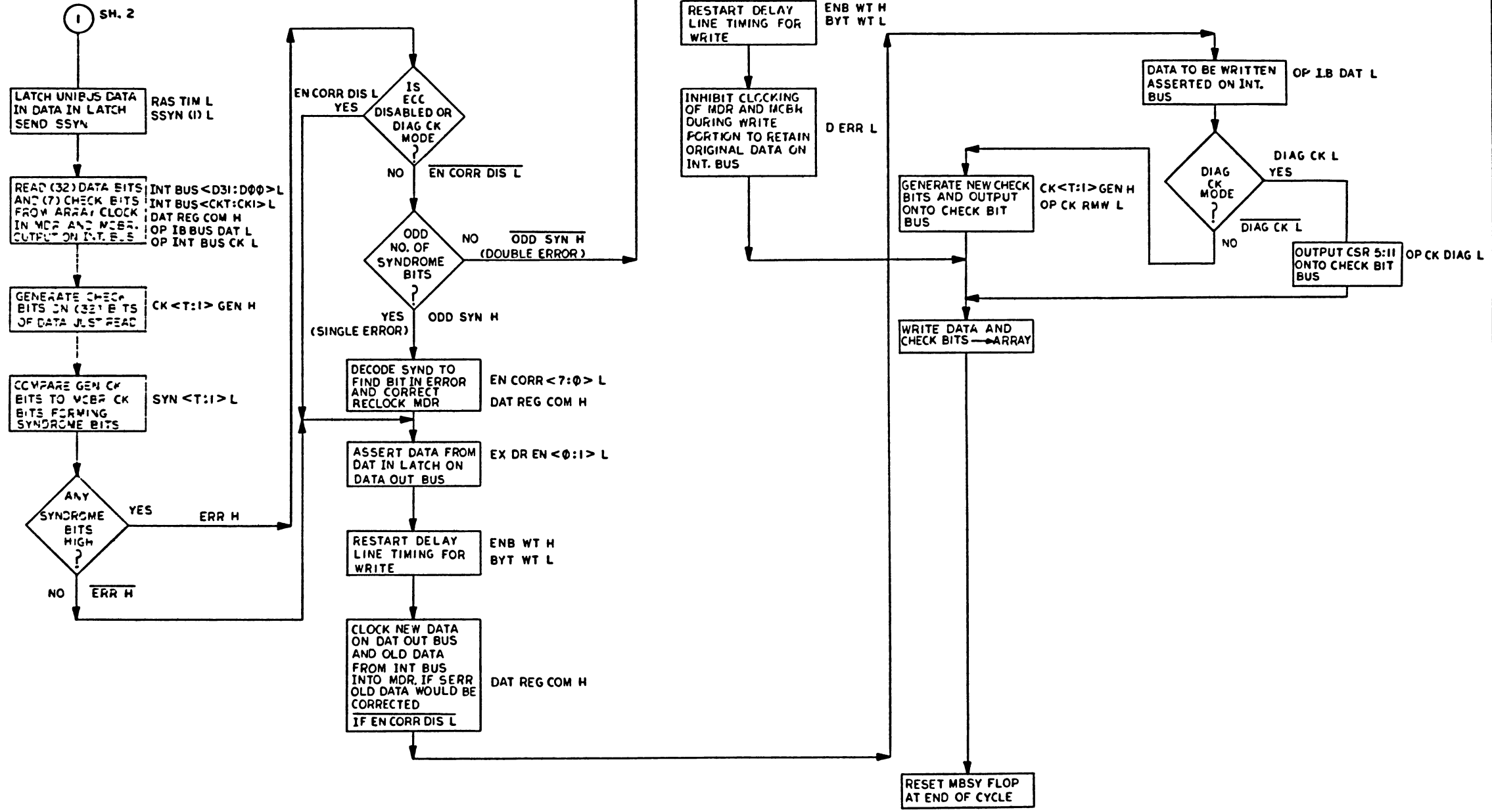


DRG. P. 1	13-3778	FIRST USED ON	11/44
CHK'D BY	13-3778	TITLE	MS11-M
ENG. P. 1	13-3778	NUMBER	MS11-M-3
PROD. ENG. P. 1	13-3778	REV.	A
NEXT HIGHER ASSY.		SIZE CODE	D
B-DD-MS11-M		SCALE	1 OF 4
SHEET 1	OF 4	DIST.	

242

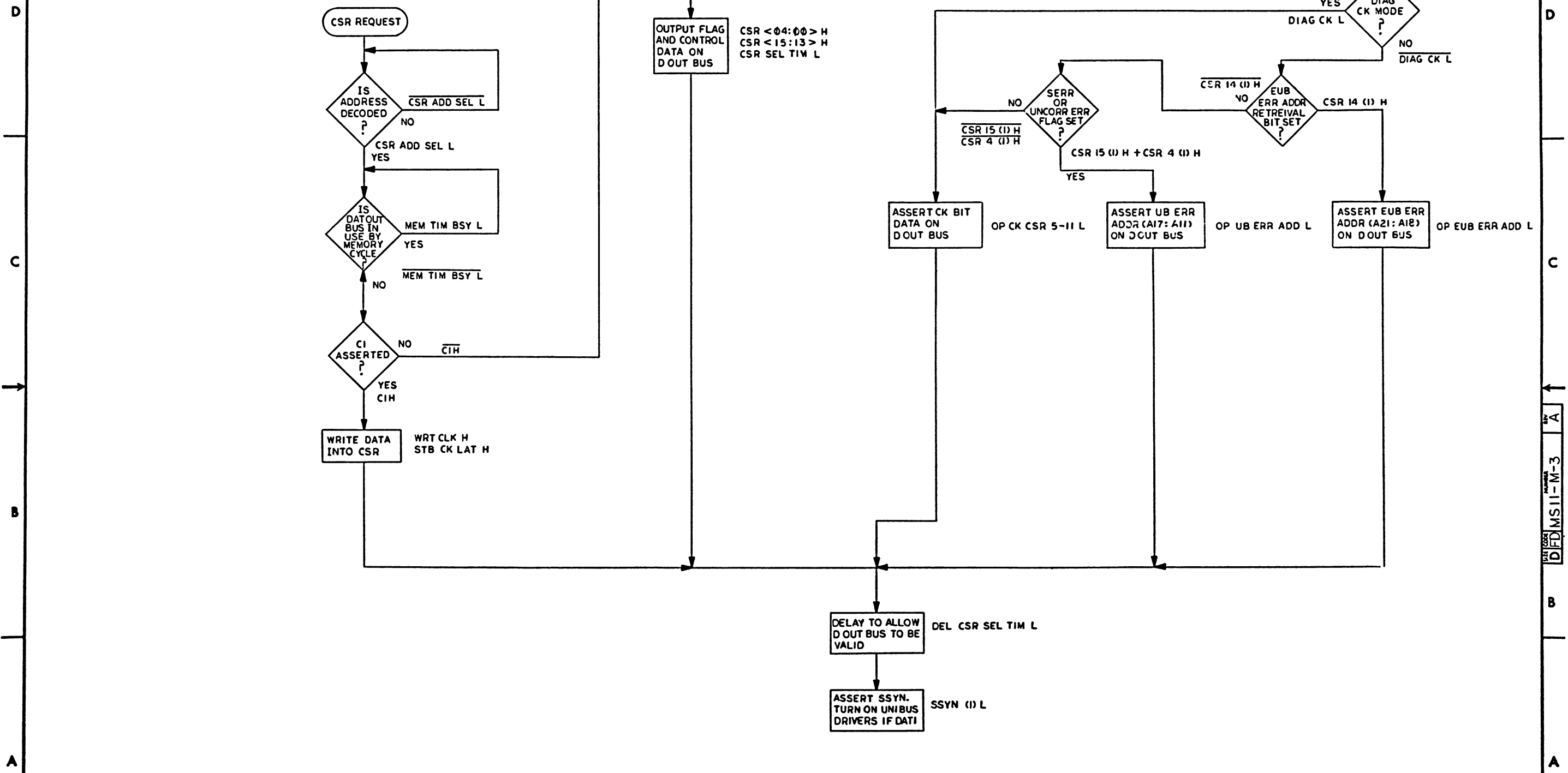


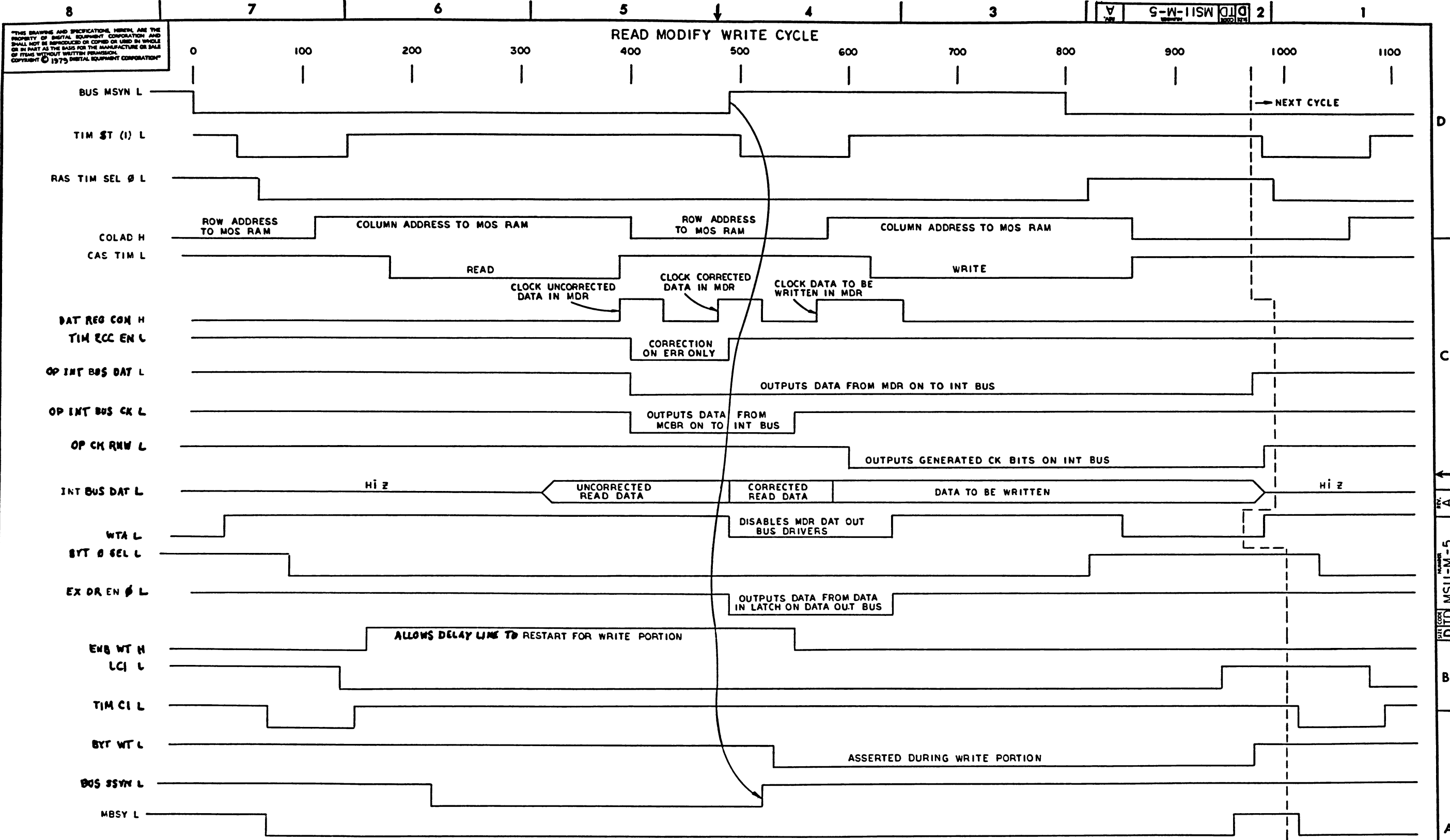
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION
COPYRIGHT © 1978



REVISIONS		
CHK	CHANGE NO.	REV.

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION" 1979

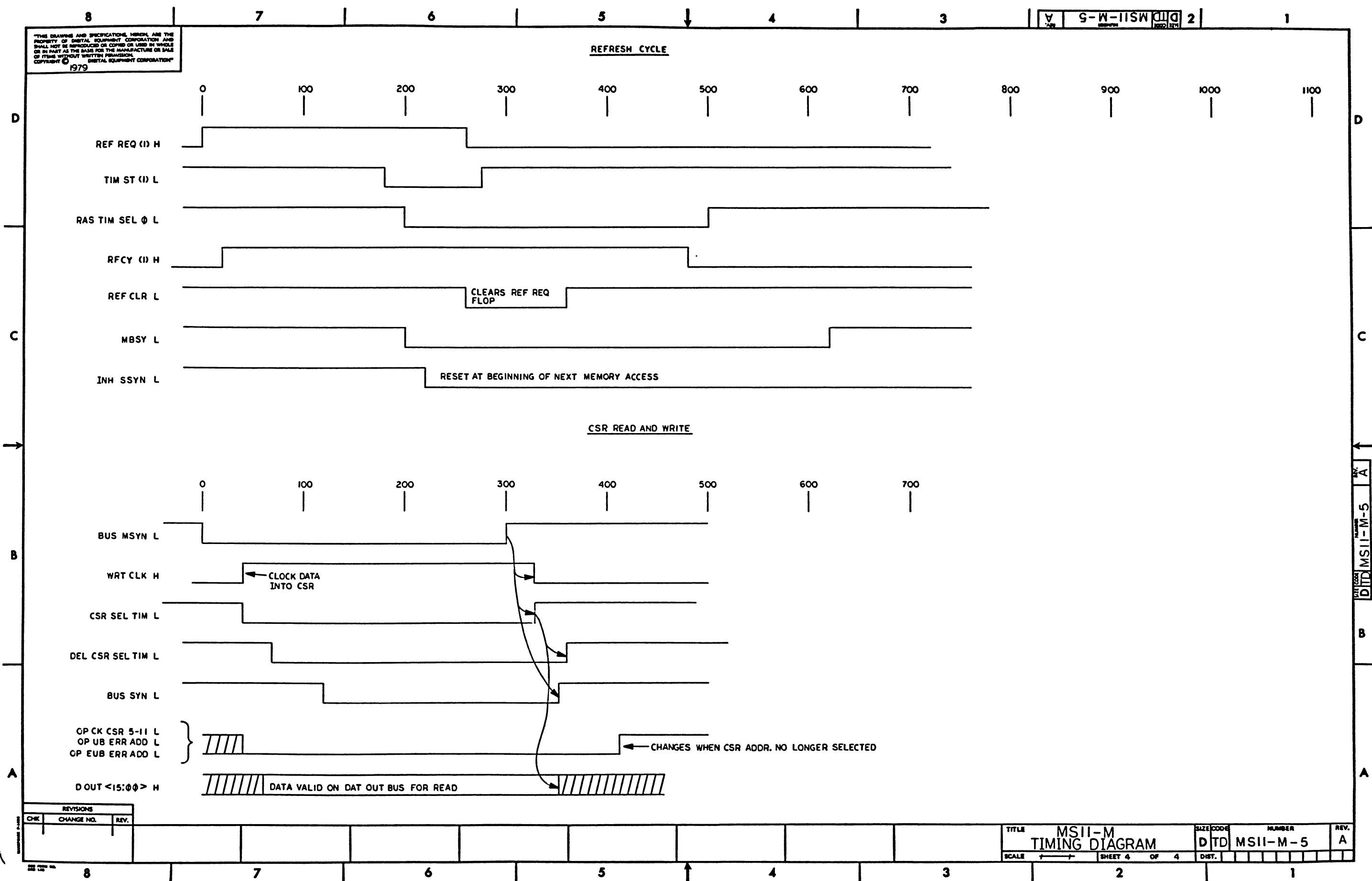




REVISIONS		
CHK	CHANGE NO	REV

TITLE	MS11-M	SIZE CODE	NUMBER	REV.
TIMING DIAGRAM	D1D	MS11-M-5	A	
SCALE	SHEET 2 OF 4	DIST.		

247



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
					BB	BC	BF	
1	1		5013505-00	128K ECC UNIBUS MEM ETCH CIR. BD	1	1	1	
2	2		1012219-00	47. MFD 30V 6% 600D AL EL	2	2	2	C400,C401
3	3		1012121-00	220.0 MMF 100V 1%200PPM DM15S	4	4	4	C1,C3,C4,C7
4	4		1001610-00	.01 MFD 50V -20+80 Z5U AXIAL	33	33	33	C2,C111-C131,C220-C230
5	5		1012084-01	8 MFD 25V 6% 30D AL EL	5	5	5	C100-C103,C200
6	6		1010279-01	.47 MFD 25V 20% 2C023 CER.	101	101	101	C210-C214,C310-C357,C410-C457
7	7		1110994-00	1N 751A VZ= 5.1 5% .40W	1	1	1	D5
8	8		1109991-00	1N 754A VZ= 6.8 5% .40W	1	1	1	D4
9	9		1104860-00	*** THIS ITEM IS NOT USED ***	-	-	-	
10	10		1110324-00	LED 1MCD@10MA PIV=3	1	1	1	D2
11	11		1114384-00	LED 105MW 35MA GREEN	1	1	1	D3
12	12		1210711-02	HANDLE,MODULE,HEX	1	1	1	
13	13		1211164-04	SW,DIP 1P 1A 8POS	1	1	1	E46
14	14		1211164-00	SW,DIP 1P 1A 4POS	1	1	1	E61
15	15		1302124-00	18.0 .25 W 5.0 % CC	2	2	2	R7,R31
16	16		1301890-00	560.0 .25 W 5.0 % CC	1	1	1	R2
17	17		1304863-00	316 1/4W 1% RN55D-F 100PPM	2	2	2	R11,R12
18	18		1301424-00	*** THIS ITEM IS NOT USED ***	-	-	-	
19	19		1300447-00	4.70 K .25 W 5.0 % CC	11	11	11	R10,R13,R14,R18-R20,R22-R24,E26,
							CONT	R30
20	20		1300316-00	470.0 .25 W 5.0 % CC	1	1	1	R21
21	21		1300365-00	1.0 K .25 W 5.0 % CC	1	1	1	R15
22	22		1300309-00	*** THIS ITEM IS NOT USED ***	-	-	-	
23	23		1300229-00	100.0 .25 W 5.0 % CC	1	1	1	R5
24	24		1301972-00	270.0 .25 W 5.0 % CC	2	2	2	R27,R28
25	25		1300202-00	47.0 .25 W 5.0 % CC	1	1	1	R29
26	26		1300444-00	3.90 K .25 W 5.0 % CC	1	1	1	R4
27	27		1311594-00	30.1 K 1/4W 1% RN55D-F 100PPM	1	1	1	R6
28	28		1315339-00	R NETWORK 4-5K 5.0 % 5PIN	3	3	3	R100-R102
29	29		1316187-00	R NETWORK 3-18 5.0 % 6PIN	8	8	8	R200-R207

REVISION HISTORY		BASIC PART NO: M8722		DRN: J. LIZOTTE		DATE: 14-DEC-78		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: D. CARUSSO		DATE: 14-DEC-78		TITLE PARTS LIST	
---	INITIAL	B	SECTION VARIATION INDEX	[A] BB,BC,BF		ECC MOS MEMORY			
				[B]					
				[C]					
				[D]					
				[E]					
				[F]					
				[H]					
				[J]					
				[K]					
				[L]					
				[M]					
				[N]					
				MFG.ENG.: R. SCHAAF		DATE: 14-DEC-78		K PL M8722-BA-DBP B	
				ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #	
				D-UA-M8722-0-0				Z0472B.PLS 3	
*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION *									

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
					BB	BC	BF	
30	30		1316186-00	R NETWORK 1-12 2-18 6PIN	8	8	8	R300-R307
31	31		1613120-00	DELAY= 200NS,10TAPS	2	2	2	E5,E21
32	32		1910532-00	74S00 NAND GATE-QUAD 2IN	1	1	1	E31
33	33		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	1	1	1	E25
34	34		1912388-00	74S02 NOR GATE-QUAD 2IN,PO	1	1	1	E42
35	35		1911469-00	DEC 8640 RECEIVER,BUS,QUAD,U	1	1	1	E38
36	36		1910533-00	74S03 NAND GATE-QUAD 2IN,O	1	1	1	E22
37	37		1909705-00	DEC 8881 NAND GATE-QUAD 2IN O	1	1	1	E27
38	38		1914451-00	74LS393 COUNTER,BINARY,4BIT	2	2	2	E54,E56
39	39		1910547-00	74S153 MUX 1 OF 4 (DUAL)	5	5	5	E40,E41,E47,E49,E53
40	40		1911944-00	555CN TIMER,FUNCT.BLOCK	1	1	1	E11
41	41		1910534-00	74S04 INVERTER GATE-HEX 1I	1	1	1	E60
42	42		1910544-01	74S74-60GG-D DUAL,EDGE TRIG	1	1	1	E26
43	43		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	2	2	2	E15,E43
44	44		1911116-00	DEC 8837 RECEIVER,BUS,HEX,UN	4	4	4	E23,E32,E44,E50
45	45		1915219-00	LS373 FF-D OCTAL-TRANSPARE	3	3	3	E3,E18,E39
46	46		1914214-00	LS374 FF-D OCTAL EDGE TRIG	3	3	3	E7,E28,E68
47	47		1911579-00	8641 TRANSCEIVER,BUS,QUA	4	4	4	E1,E6,E12,E17
48	48		1910539-00	74S20 NAND GATE-DUAL 4INPU	1	1	1	E37
49	49		1912828-00	LS85 COMPARATOR,4BIT MAGN	1	1	1	E65
50	50		1912697-00	LS174 FF-D HEX W/CLEAR	1	1	1	E0
51	51		1915193-00	LS244 DRIVER,LINE,OCTAL,T	1	1	1	E14
52	52		1911573-00	74S280 PARITY GEN/CHKR,9BIT	11	11	11	E48,E66,E69,E71,E72,E75,E78, CONT E81-E84
53	53		1912096-00	DEC 74S86 XOR GATE,QUAD 2IN	2	2	2	E36,E64
54	54		1914086-00	74S30 NAND GATE-POS 8IN	1	1	1	E55
55	55		1913777-00	LS240 DRIVER,LINE,OCTAL,T	1	1	1	E9
56	56		1912389-00	74S08 AND GATE-QUAD 2IN,PO	1	1	1	E24
57	57		1912125-00	74S135 XOR/NOR GATE-QUAD 2I	1	1	1	E59
58	58		1913493-00	74S241 OCTAL BUFFER,TRI-STA	5	5	5	E70,E76,E77,E79,E80
59	59		2113825-01	16K MOS RAM 200NS 1	156	-	-	E100-E138,E200-E238,E300-E338, CONT E400-E438
60	60		23259F1-00	F1-01	1	1	1	E34
61	61		23001J5-00	J5-01	1	1	1	E10
62	62		23002J5-00	J5-01	1	1	1	E19
63	63		23003J5-00	J5-01	1	1	1	E4
64	64		23004J5-00	J5-01	1	1	1	E30
65	65		23005J5-00	J5-01	1	1	1	E35
66	66		23006J5-00	J5-01	1	1	1	E33
67	67		23007J5-00	J5-01	1	1	1	E20
68	68		23008J5-00	J5-01	1	1	1	E29
69	69		23009J5-00	J5-01	1	1	1	E52
70	70		23001K3-00	K3-01	8	8	8	E45,E51,E57,E58,E62,E63,E67,E73
71	71		23002K3-00	K3-01	2	2	2	E2,E13
72	72		9009185-00	*** THIS ITEM IS NOT USED ***	-	-	-	
73	73		9000024-01	EYELET, ROLLED FLANGE, .121 OD X	12	12	12	
74	74		9009149-00	PIN, STAKING, P.C. BOARD, .025 X	2	2	2	TP1,TP2
75	75		2114408-01	16K MOS RAM 200NS 1	-	156	-	E100-E138,E200-E238,E300-E338,

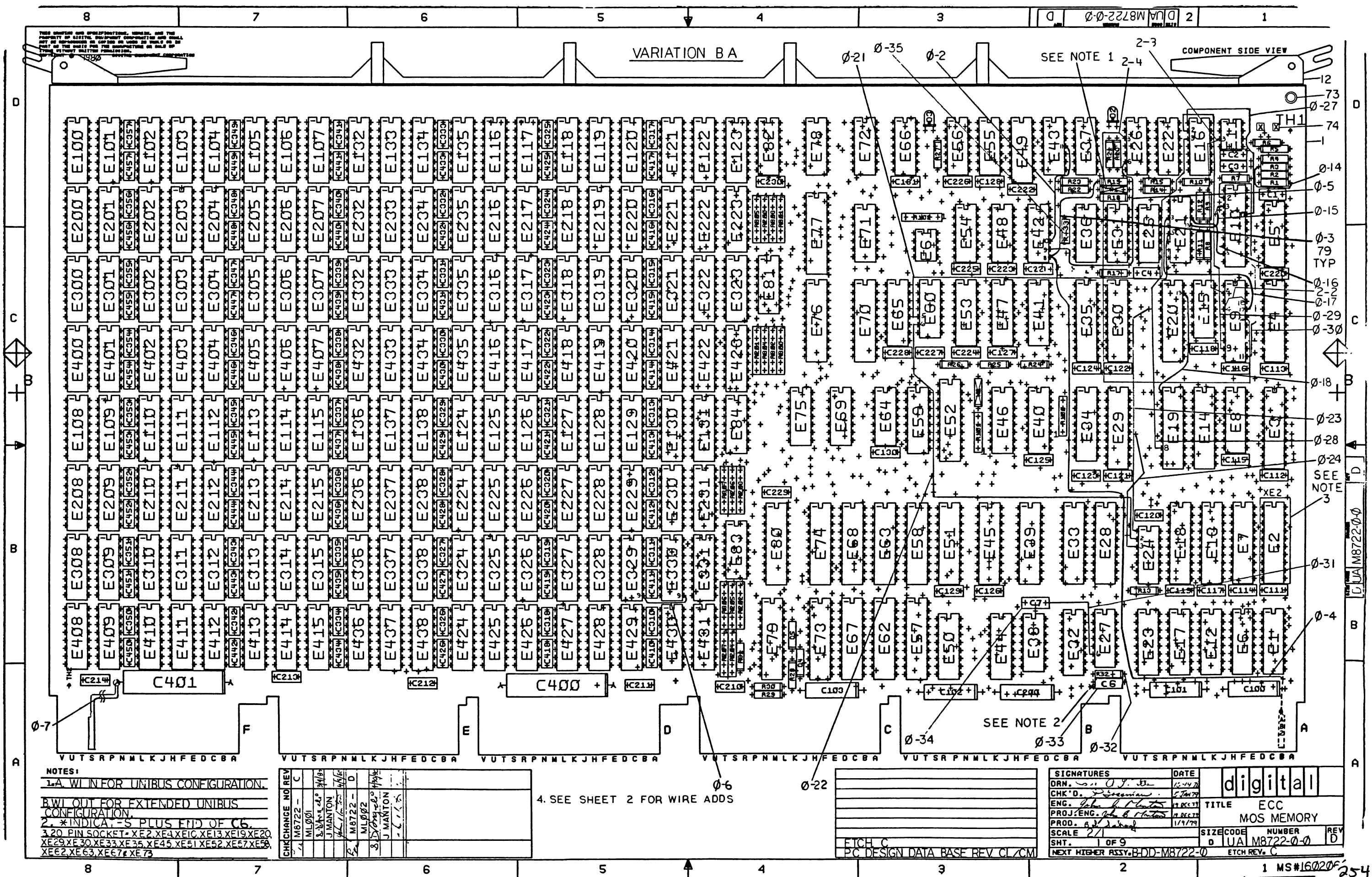
I	D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
I								ECC MOS MEMORY				M8722-BA-DBP	B
I													
I													

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
					BB	BC	BF	
								CONT E400-E438
76	76		2114895-01	*** THIS ITEM IS NOT USED ***	-	-	-	
77	77		2114927-01	*** THIS ITEM IS NOT USED ***	-	-	-	
78	78		2114897-01	16K MOS RAM 200NS 1	-	-	156	E100-E138,E200-E238,E300-E338,
								CONT E400-E438
79	79		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	A/R	A/R	
80	80	B-DD-M8722-0-0		DWG DIRECTORY	REF	REF	REF	
81	81	D-UA-M8722-0-0		UNIT ASSY	REF	REF	REF	
82	82	D-MD-5013505-0-0		DRILL & ETCH DWG	REF	REF	REF	
83	83	D-CS-M8722-0-1		CIRCUIT SCHEMATIC	REF	REF	REF	
84	84		9107256-09	*** THIS ITEM IS NOT USED ***	-	-	-	
85	85		1000064-00	3.9MFD 10V 10% 150D S.TA	1	1	1	C6
86	86		1302956-00	196 1/4W 1% RN55D-F 100PPM	1	1	1	R3
87	87		1302858-00	100 1/4W 1% RN55D-F 100PPM	2	2	2	R17,R25
88	88		1313583-00	150 1/4W 1% RN55D-F 100PPM	2	2	2	R1,R33
89	89		1303047-00	464 1/4W 1% RN55D-F 100PPM	2	2	2	R8,R9
90	90		1913462-00	74S240 OCTAL BUFFER,INVERTI	1	1	1	E74
91	91		1309418-00	24.3 K 1/4W 1% RN55D-F 100PPM	1	1	1	R32
92	92		1912746-00	DEC 74S37 NAND GATE-QUAD 2IN	1	1	1	E16
93	93	SEE NOTE 4	1215006-04	SOCKET 20PIN IC LOW PROFILE	19	19	19	XE2,XE4,XE10,XE13,XE19,XE20,
								CONT XE29,XE30,XE33,XE35,XE45,XE51,
								CONT XE52,XE57,XE58,XE62,XE63,XE67,
								CONT XE73

- 94 NOTE: 0 M8722-BA IS THE PRIMARY VARIATION OF THE 128K X 16 BITS SYSTEM (NOT A MODULE TYPE).
95 NOTE: 1 M8722-BB IS A MODULE TYPE USING MOSTEK 16K MOS DEVICES.
96 NOTE: 2 M8722-BC IS A MODULE TYPE USING FUJITSU 16K MOS DEVICES.
97 NOTE: 3 M8722-BF IS A MODULE TYPE USING HITACHI MOS DEVICES.
98 NOTE: 4 AMP VENDOR ONLY (640894-1).

253

D I G I T A L				TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
				ECC MOS MEMORY				M8722-BA-DBP	B



1980

LAYER 1
M8722 5013505 C L1

0-21

0-15

CS*ABNCE FHJKLMNPRS
E101 E102 E103

E132 E133

E118 E119

E82 E78

SIDE 1

E49 E43

digital

TP1 TP2

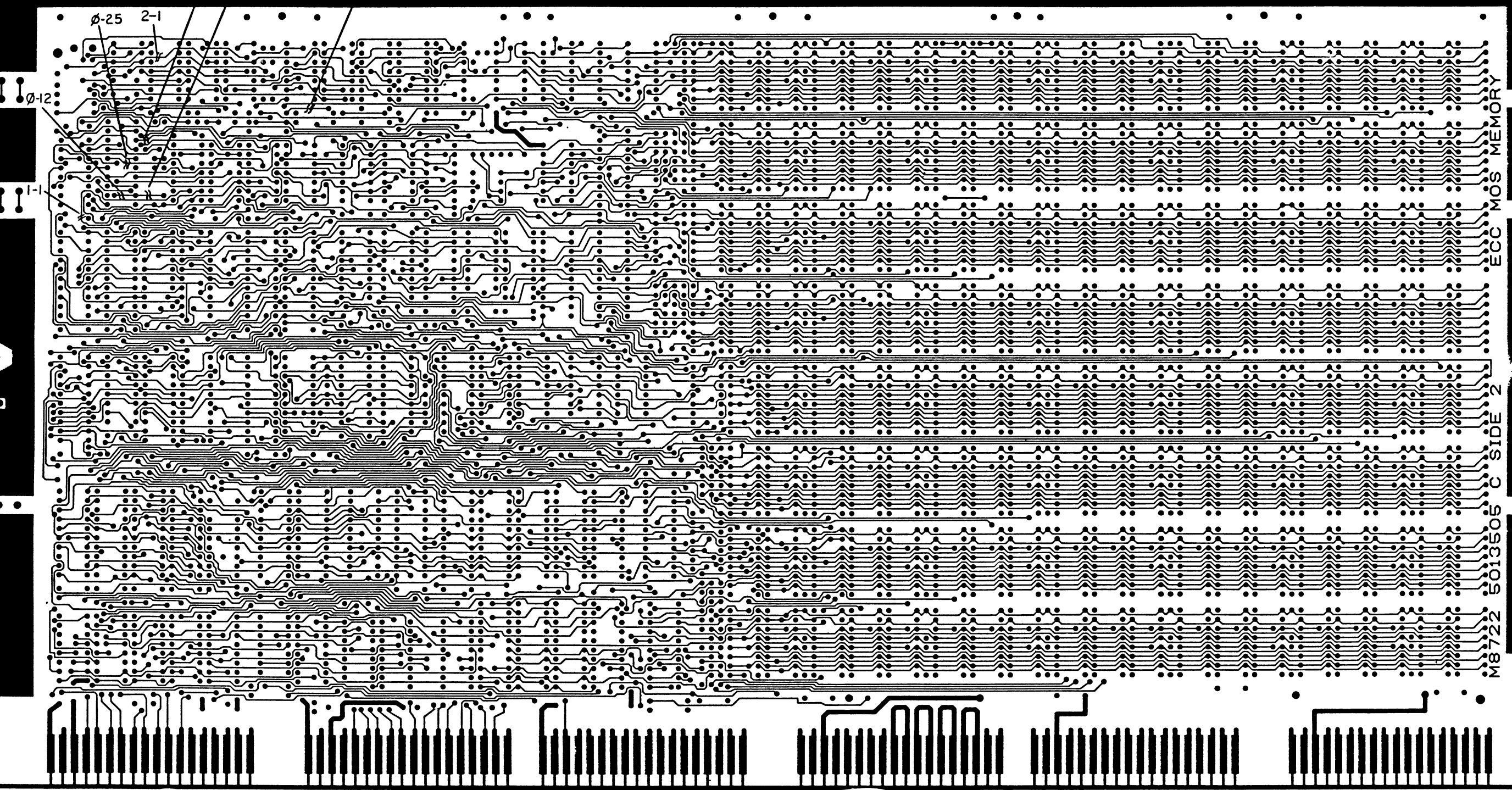
0-26

0-7

ECC MOS MEMORY		DUA	M8722-0-0	0
2/1	SHEET	5	9	

SS

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION



REVISIONS			TITLE				SIZE CODE		REV	
CHK	CHANGE NO	REV	ECC MOS MEMORY				D	UA	M8722-0-0	D
			SCALE 2/1	SHEET 8	OF 9	DIST				

256

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION

1
2
DUA M8722-0-0
REV D

M8722

FIRST RELEASE

ETCH CUT - SIDE 2:

- # - 1. CUT ETCH BETWEEN E43-11 AND R18 (TO THE LEFT OF THE FEED THRU).
- # - 11. CUT ETCH BETWEEN E10-8 AND FEED THRU (RIGHT SIDE OF PIN).
- # - 12. CUT ETCH BETWEEN E10-8 AND FEED THRU (LEFT SIDE OF PIN, ISOLATING E10-8).
- # - 13. CUT ETCH BETWEEN E10-3 AND FEED THRU (RIGHT SIDE).
- # - 25. CUT ETCH BETWEEN E10-16 AND FEED THRU (RIGHT SIDE).

ETCH CUTS - SIDE 1:

- # - 7. CUT ETCH BETWEEN C401 AND FINGER FS1.
- # - 8. CUT ETCH BETWEEN R1 AND R3.
- # - 9. CUT ETCH BETWEEN THE 1ST AND 2ND FEED THRU E42-13 (RIGHT SIDE).
- # - 10. CUT ETCH BETWEEN E19-1 AND E20-3.
- # - 20. CUT ETCH BETWEEN THE FIRST AND SECOND FEED THRU OF E30-18 (RIGHT SIDE).
- # - 28. CUT ETCH NO MORE THAN 1/4" FROM C7 (220PF) (RIGHT SIDE) AS SHOWN.

WIRE ADDS:

- # - 2. ADD A WIRE FROM E42-10 TO E43-11.
- # - 3. ADD A WIRE FROM E42-8 TO R19 (LEFT SIDE).
- # - 4. ADD A WIRE FROM E42-8 THRU A FEED THRU TO FINGER AB2.
- # - 5. ADD A WIRE FROM E42-8 TO E28-8.
- # - 6. ADD A WIRE FROM E330-8 TO E329-8 FOR 'BA' VARIATIONS ONLY.
- # - 14. ADD WIRE FROM R1 TO R3 (AS SHOWN).
- # - 15. ADD WIRE FROM E10-3 TO E21-13.
- # - 16. ADD WIRE FROM E10-8 TO E21-14.
- # - 17. ADD WIRE FROM E9-17 TO E21-3.
- # - 18. ADD WIRE FROM E20-19 TO E19-1.
- # - 21. ADD WIRE FROM E80-5 TO E21-6.
- # - 22. ADD WIRE FROM E80-8 TO E24-2.
- # - 23. ADD WIRE FROM E24-1 TO FIRST FEED THRU OF E30-18 (AS SHOWN).
- # - 24. ADD WIRE FROM E24-3 TO SECOND FEED THRU OF E30-18 (AS SHOWN).
- # - 27. ADD WIRE FROM E16-1 TO E10-17.
- # - 28. ADD WIRE FROM E16-3 TO E19-8.
- # - 29. ADD WIRE FROM E16-2 TO E9-8.
- # - 30. ADD WIRE FROM E9-11 TO E10-2.
- # - 31. ADD WIRE FROM C7 (220PF) (RIGHT SIDE) TO E27-6.

REPLACEMENT COMPONENTS:

- # - 32. REPLACE D1 WITH R32, 24.3K, 1%.
- # - 33. REPLACE R16 WITH C8, 3.9uF, 10V.
- # - 34. REPLACE C5 WITH C7, 220PF, 100V.

COMPONENT ADD:

- # - 35. ADD R33, 150 $\frac{1}{4}$ W, 1% AS SHOWN.

ECO #1

ETCH CUT - SIDE 2

- 1-1 CUT ETCH BETWEEN E10-11 AND FEEDTHRU (RIGHT SIDE)

WIRE ADDS - SIDE 1

- 1-2 ADD WIRE FROM E24-11 TO E10-1
- 1-3 ADD WIRE FROM E24-12 TO E9-7
- 1-4 ADD WIRE FROM E24-13 TO E29-19

ECO NO. 2

ETCH CUT - SIDE 2

- 2-1 CUT ETCH BETWEEN E11-3 TO E26-3

WIRE ADDS - SIDE 1

- 2-2 ADD WIRE FROM E9-4 TO E9-18
- 2-3 ADD WIRE FROM E9-2 TO E11-3
- 2-4 ADD WIRE FROM E9-16 TO E26-3

REVISIONS
CHK CHANGE NO. REV.

TITLE
ECC MOS MEMORY
SCALE 2/1
SHEET 9 OF 9
SIZE CODE
DUA
NUMBER
M8722-0-0
REV.
D

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1980, DIGITAL EQUIPMENT CORPORATION

1-0-2228W

NOTES:

- SIGNAL NAMES WILL BE REFERENCED AS FOLLOWS:
[X/Z] SIGNAL NAME [X/Z]
NUMBER OF CONNECTION POINTS ON DESTINATION SHEET.
DESTINATION SHEET NUMBER.
NUMBER OF CONNECTION POINTS ON SOURCE SHEET.
SOURCE SHEET NUMBER.

- * INDICATES BATTERY BACKED UP.

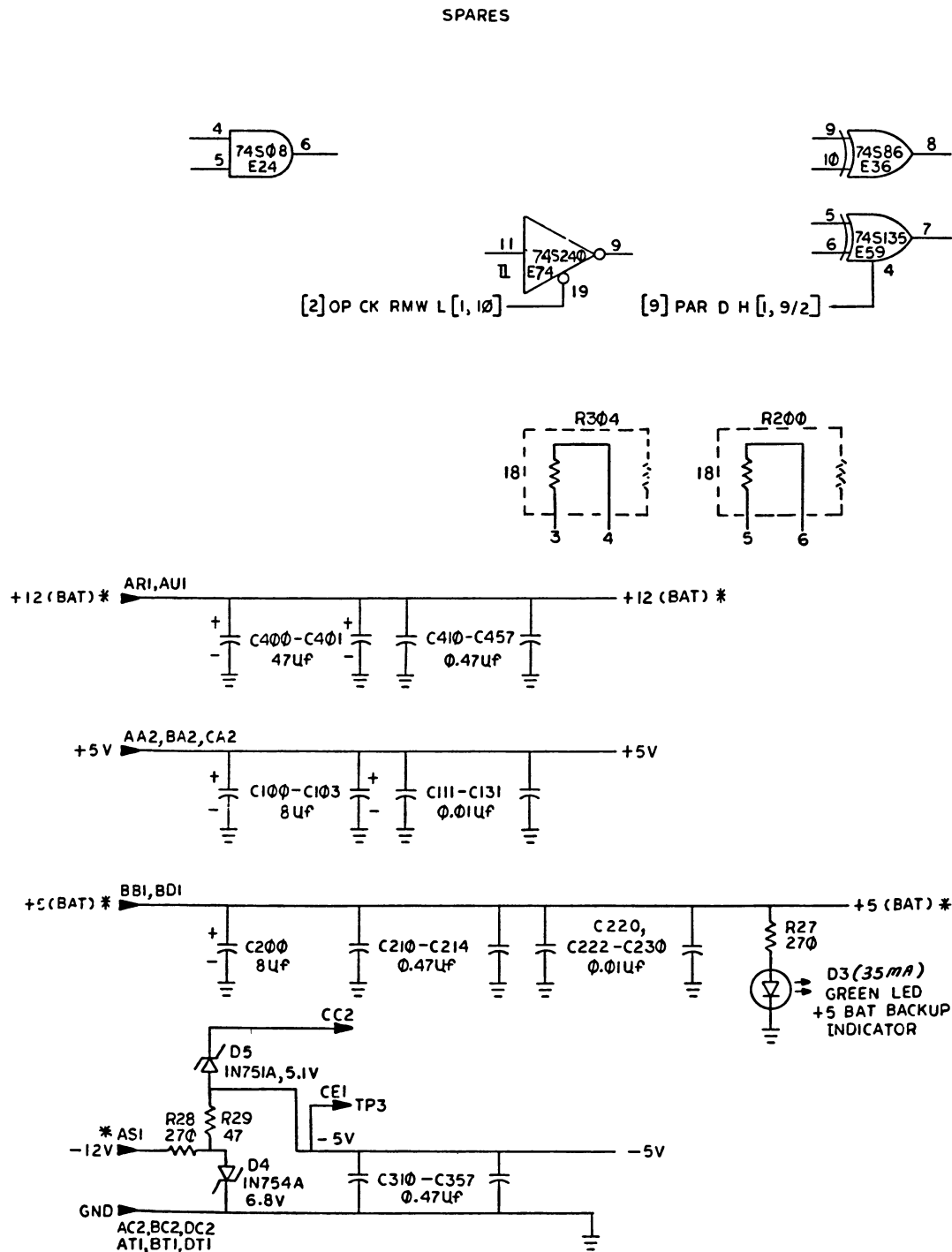
- GND AND +5V ARE AS FOLLOWS:

	GND	+5V
14 PIN DIP	7	14
16 PIN DIP	8	16
18 PIN DIP	9	18
20 PIN DIP	10	20

EXCEPTIONS ARE
9640 1 8

BUS GRANT LINES

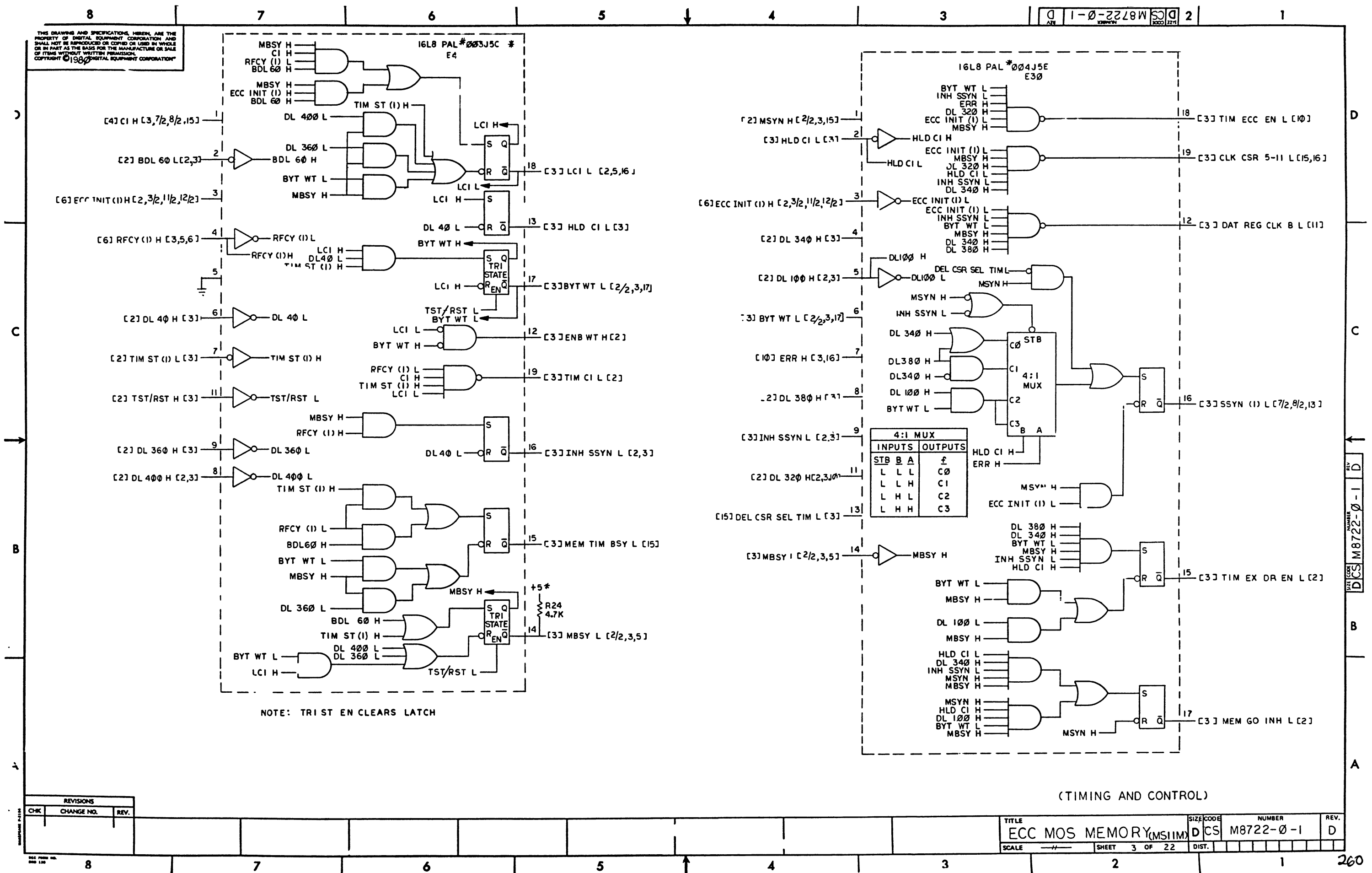
BG4 SO	DS2	DT2	BG4 OUT
BG5 SO	DP2	DR2	BG5 OUT
BG6 SO	DM2	DN2	BG6 OUT
BG7 SO	DK2	DL2	BG7 OUT
NPG SO	CA1	CB1	NPG OUT



REV.	REVISONS		CHK	DATE	BY
	CHANGE NO.	NO.			
C	M8722-ML001	1	John	8/80	JOHN MANTON
C	S.D. Angelo	2/1/80			
			John Manton	8/80	JOHN MANTON
D	M8722-ML002	1	John	8/80	JOHN MANTON
B	S.D. Angelo	4/25/80			
			JOHN MANTON		JOHN MANTON
			John Manton	8/80	JOHN MANTON



(TIMING CHAIN, CONTROL)									
TITLE				SIZE	CODE	NUMBER			REV.
ECC MOS MEMORY (MS11M)				D	CS	M 8722-0-1			D
SCALE	+ + +			SHEET 2	OF 22		DIST.		



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION. COPYRIGHT © 1980

D

C

B

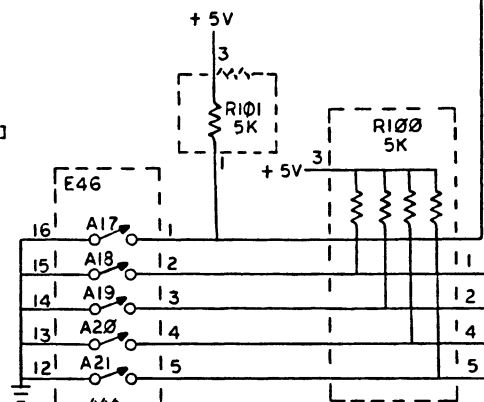
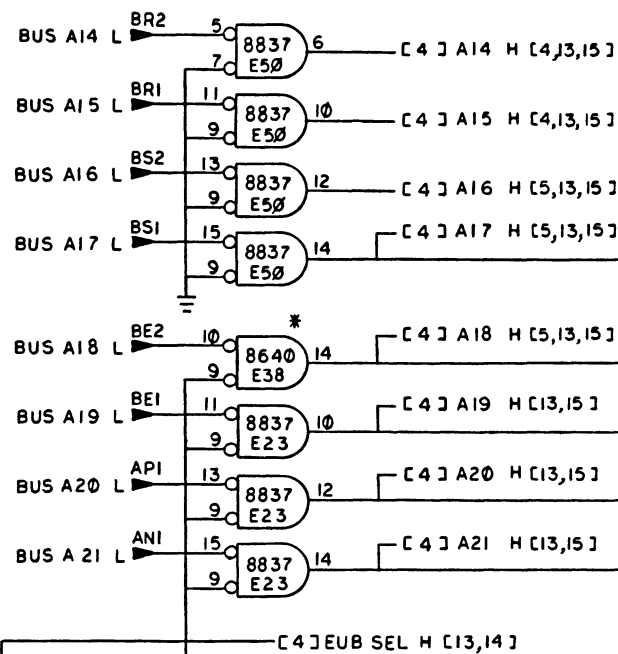
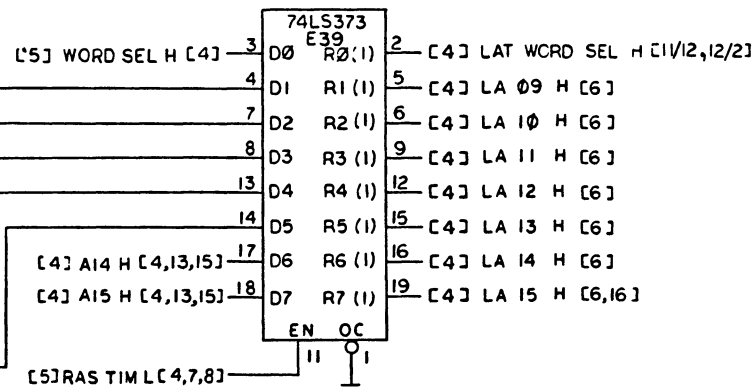
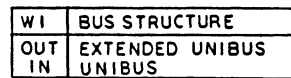
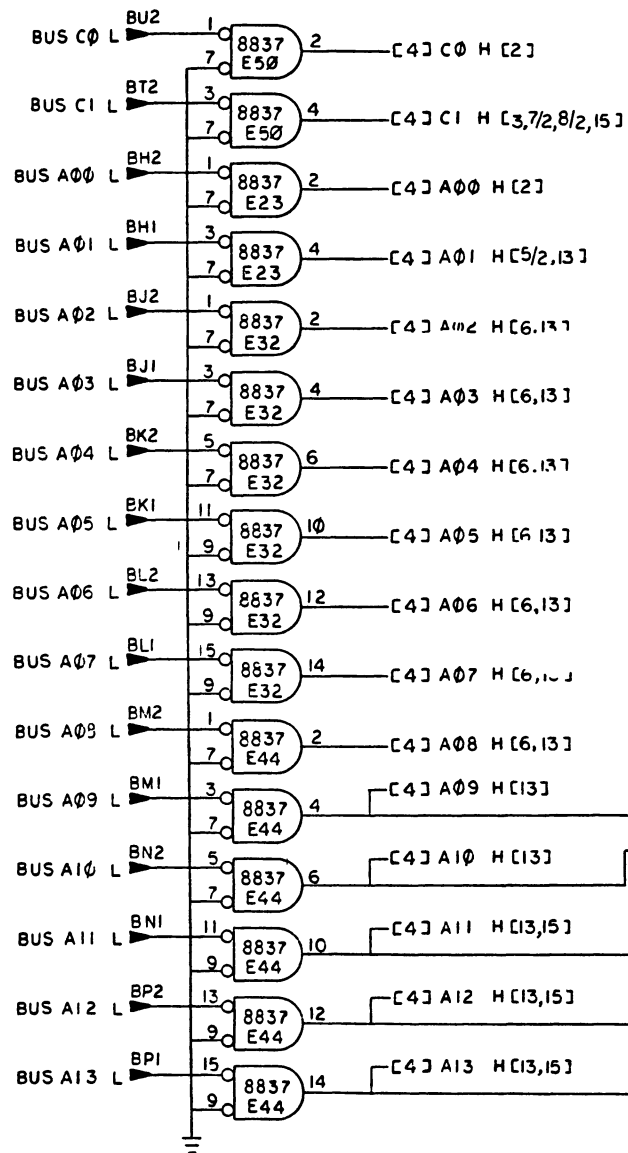
A

D

C

B

A



STARTING MEMORY BANK (WCRCS)	STARTING ADDRESS	SWITCH SETTING				
		(A21) E46-5	(A20) E46-4	(A19) E46-3	(A18) E46-2	(A17) E46-1
0	4000000	0	0	0	0	0
64K	1000000	0	0	0	0	0
128K	2000000	0	0	0	0	0
192K	3000000	0	0	0	0	0
256K	4000000	0	0	0	0	0
320K	5000000	0	0	0	0	0
384K	6000000	0	0	0	0	0
448K	7000000	0	0	0	0	0
512K	8000000	0	0	0	0	0
576K	9000000	0	0	0	0	0
640K	10000000	0	0	0	0	0
704K	11000000	0	0	0	0	0
768K	12000000	0	0	0	0	0
832K	13000000	0	0	0	0	0
896K	14000000	0	0	0	0	0
960K	15000000	0	0	0	0	0
1024K	16000000	0	0	0	0	0
1088K	17000000	0	0	0	0	0
1152K	18000000	0	0	0	0	0
1216K	19000000	0	0	0	0	0
1280K	20000000	0	0	0	0	0
1344K	21000000	0	0	0	0	0
1408K	22000000	0	0	0	0	0
1472K	23000000	0	0	0	0	0
1536K	24000000	0	0	0	0	0
1600K	25000000	0	0	0	0	0
1664K	26000000	0	0	0	0	0
1728K	27000000	0	0	0	0	0
1792K	28000000	0	0	0	0	0
1856K	29000000	0	0	0	0	0
1920K	30000000	0	0	0	0	0
1984K	31000000	0	0	0	0	0

0 = SWITCH ON
1 = SWITCH OFF

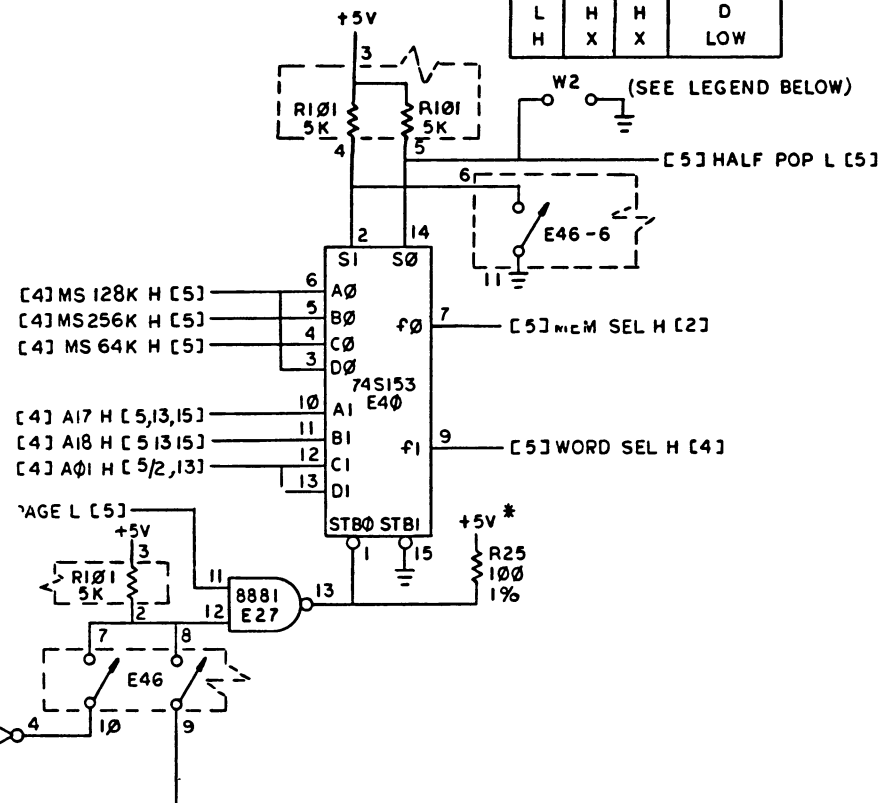
ADDRESS RECEIVERS, STARTING ADDRESS SELECTION)

TITLE	SIZE CODE	NUMBER	REV.
ECC MOS MEMORY (MSIIM)	DCS	M8722-0-1	D
SCALE	SHEET 4 OF 22	DIST.	

REVISIONS		
CHK	CHANGE NO.	REV.

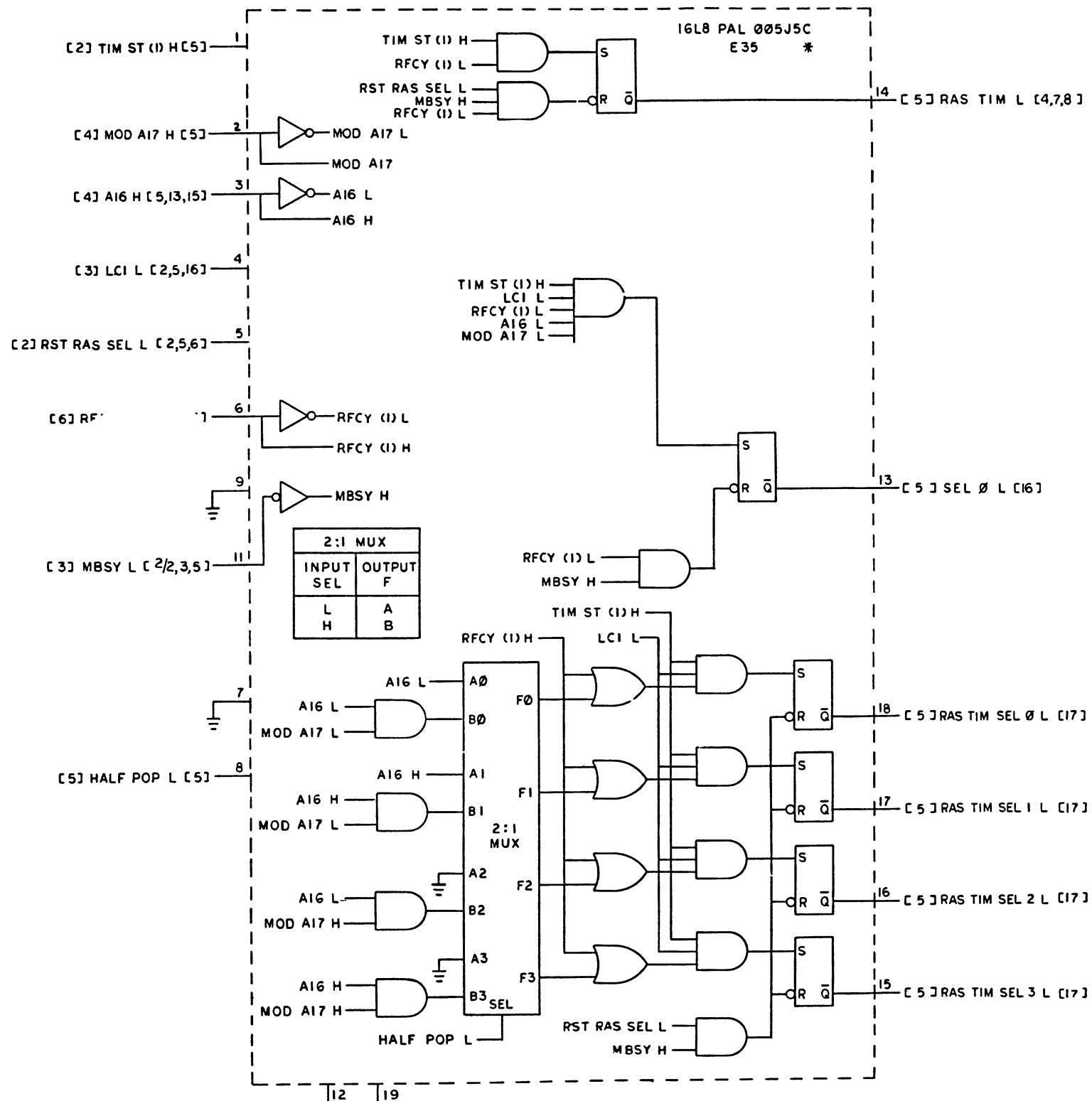
"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1984 DIGITAL EQUIPMENT CORPORATION"

74S153 4:1 MUX				
INPUTS			OUTPUTS	
STB	SI	S0	F	
L	L	L	A	
L	L	H	B	
L	H	L	C	
L	H	H	D	
H	X	X	LOW	



SW POSITION			USAGE	MEMORY CAPACITY AND INTERLEAVING
E4G			JUMPER W2	
8	7	6		
OFF	OFF	OFF		
OFF	OFF	OFF	IN	64K 1/2 POP NON INTERL.
OFF	OFF	OFF	OUT	128K FULLY POP NON INTERL.
OFF	ON	ON	IN	64K 1/2 POP INTERL RESPONDS TO A01 H NON ASSERTED
OFF	ON	ON	OUT	128K FULLY POP INTERL RESPONDS TO A01 H NON ASSERTED
ON	OFF	ON	IN	64K 1/2 POP INTERL RESPONDS TO A01 H ASSERTED
ON	OFF	ON	OUT	128K FULLY POP INTERL RESPONDS TO A01 H ASSERTED

NOTE: SW 8 & 7 MUST NOT BE ON AT THE SAME TIME



(MEMORY SELECT, INTERLEAVING RAS TIM GENERATION)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE	CODE	NUMBER	REV.
ECC MOS MEMORY(MSIIM)		D	CS	M8722-0-1	D
SCALE		SHEET 5 OF 22		DIST.	

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1972 DIGITAL EQUIPMENT CORPORATION

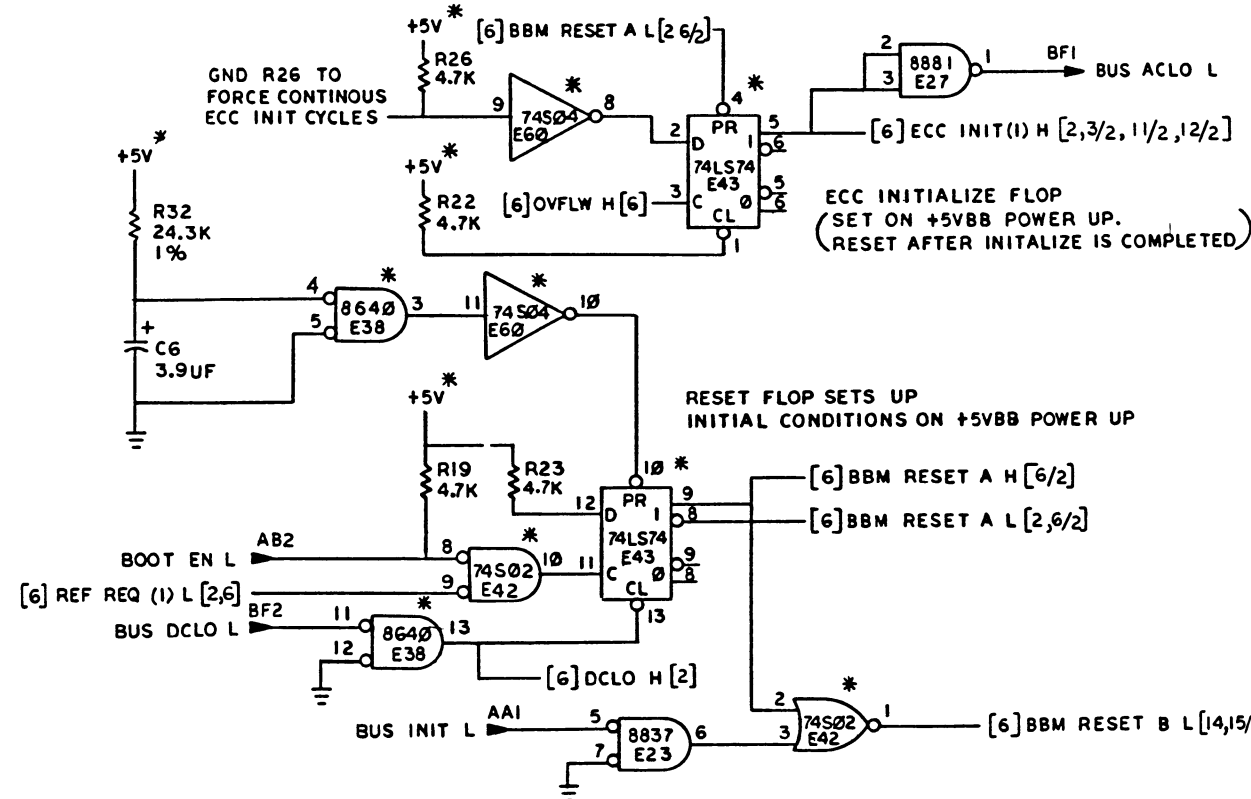
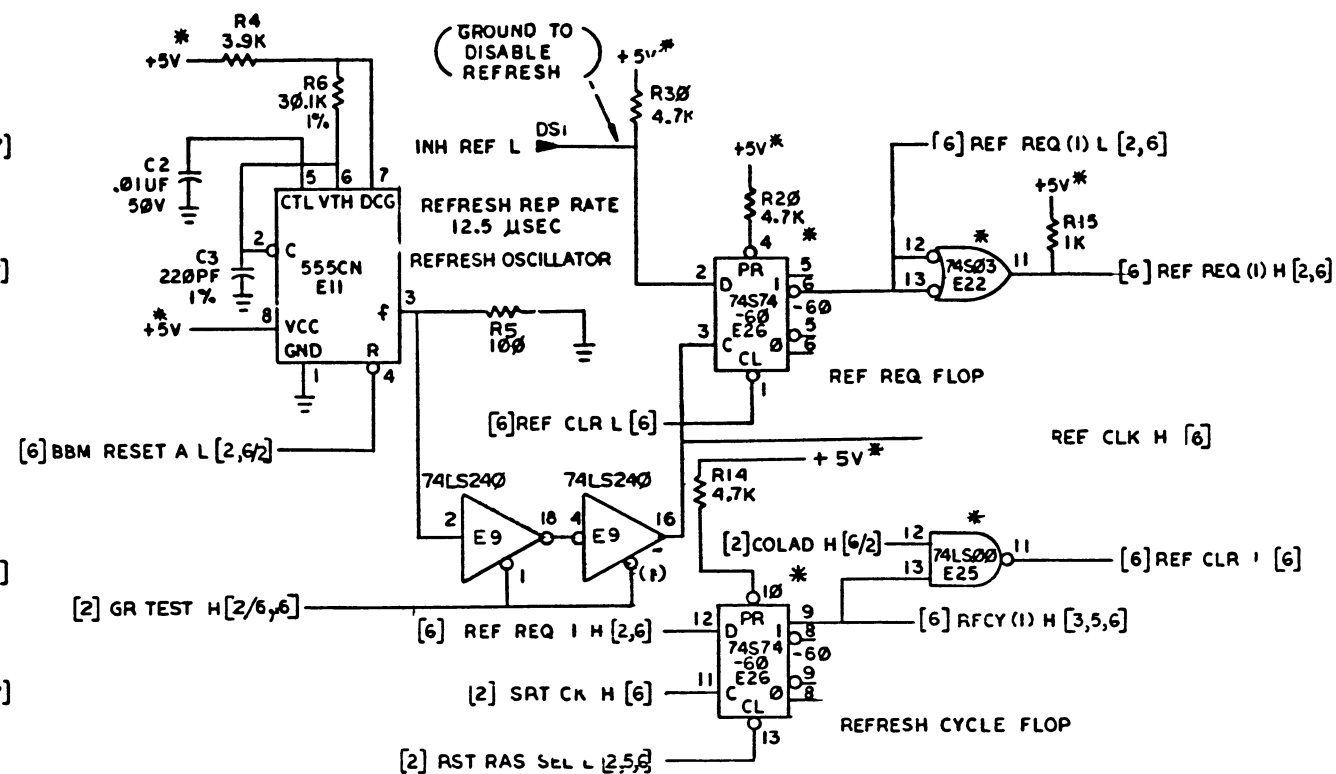
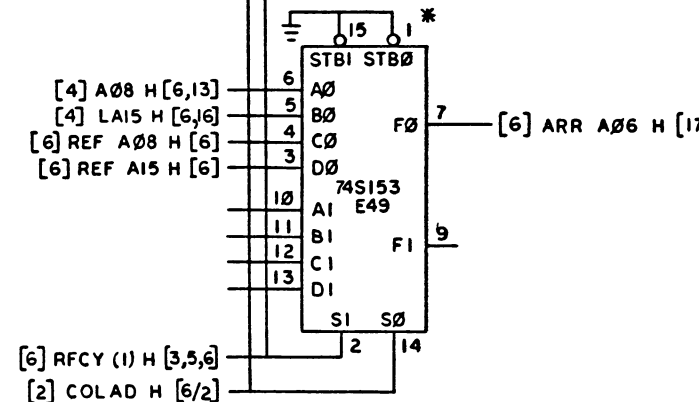
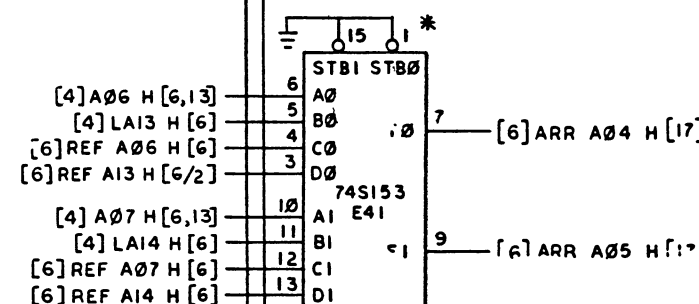
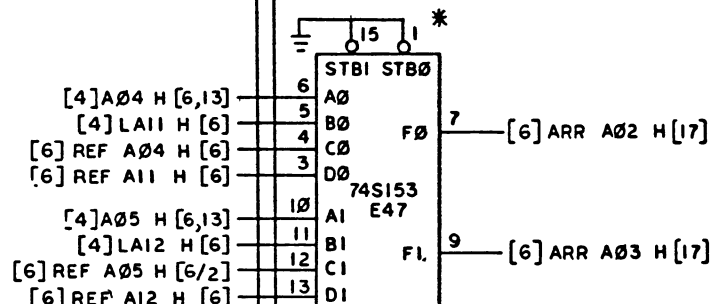
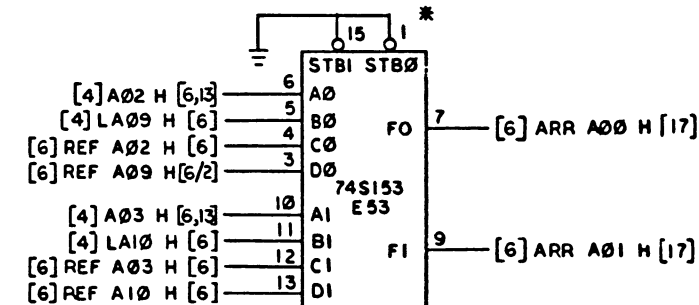
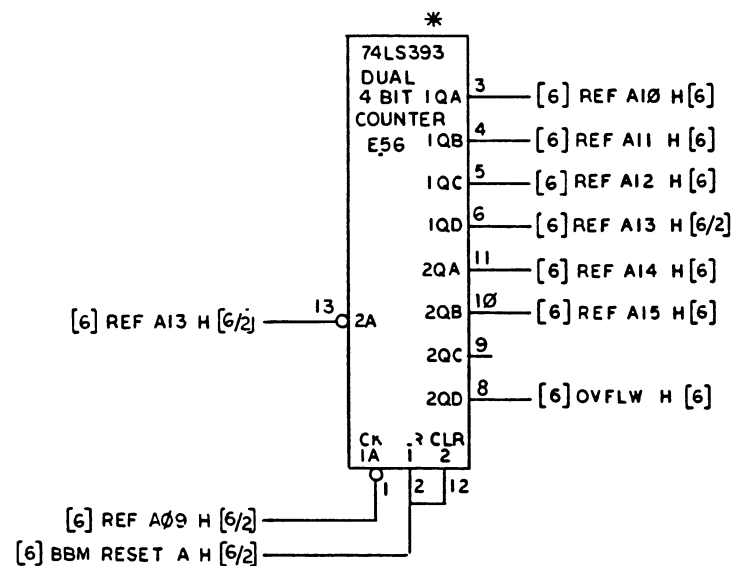
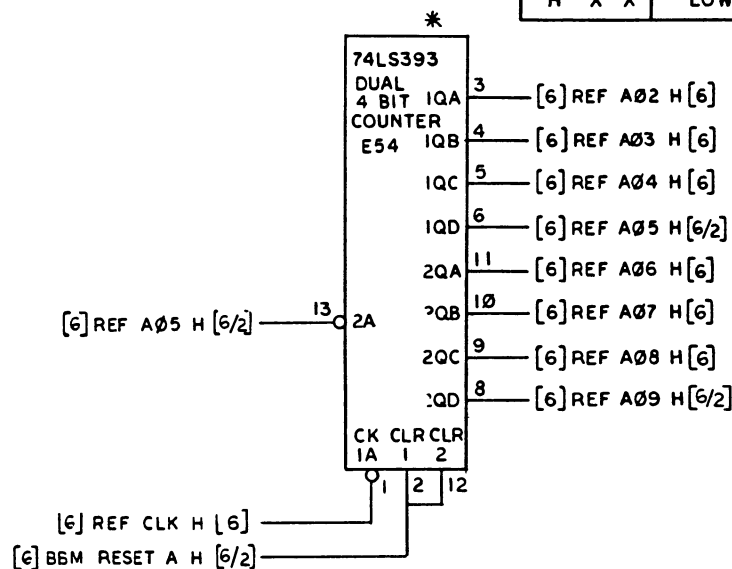
74S153 4:1 MUX				
INPUTS			OUTPUTS	
STB	SI	SO	f	
L	L	L	A	
L	L	H	B	
L	H	L	C	
L	H	H	D	
H	X	X	LOW	

D

C

B

A



(REFRESH, ECC INITIALIZE, ARRAY ADDRESS MUX)

TITLE	SIZE	CODE	NUMBER	REV.
ECC MOS MEMORY (MSIIM)	D	CS	M8722-0-1	D
SCALE	SHEET 6	OF 22	DIST.	

D

C

B

A

SIZE CODE NUMBER DCS M8722-0-1

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1987 DIGITAL EQUIPMENT CORPORATION

0 1-0-2228W 2

1

D

D

C

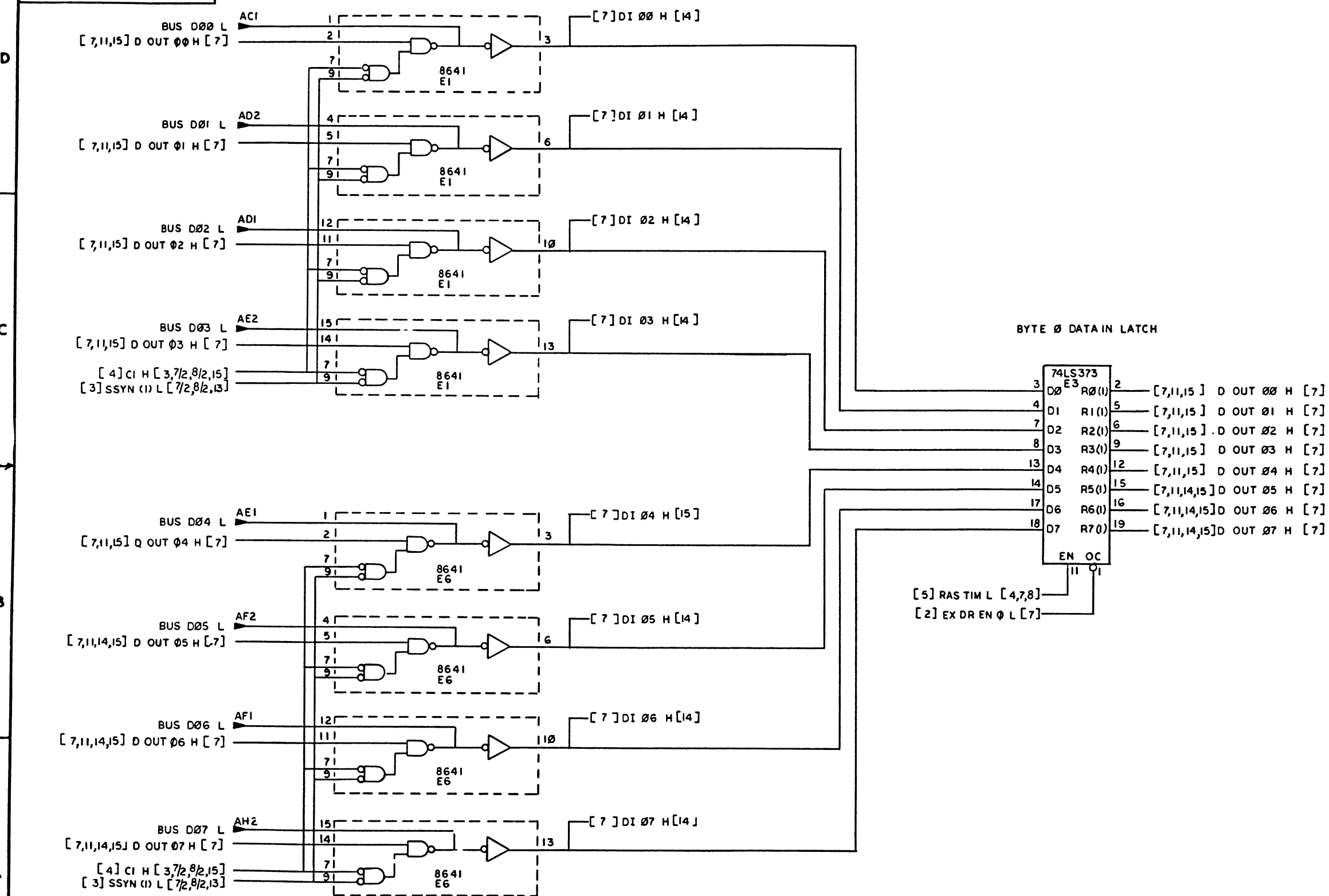
C

B

B

A

A



REVISIONS		
CHK	CHANGE NO.	REV.

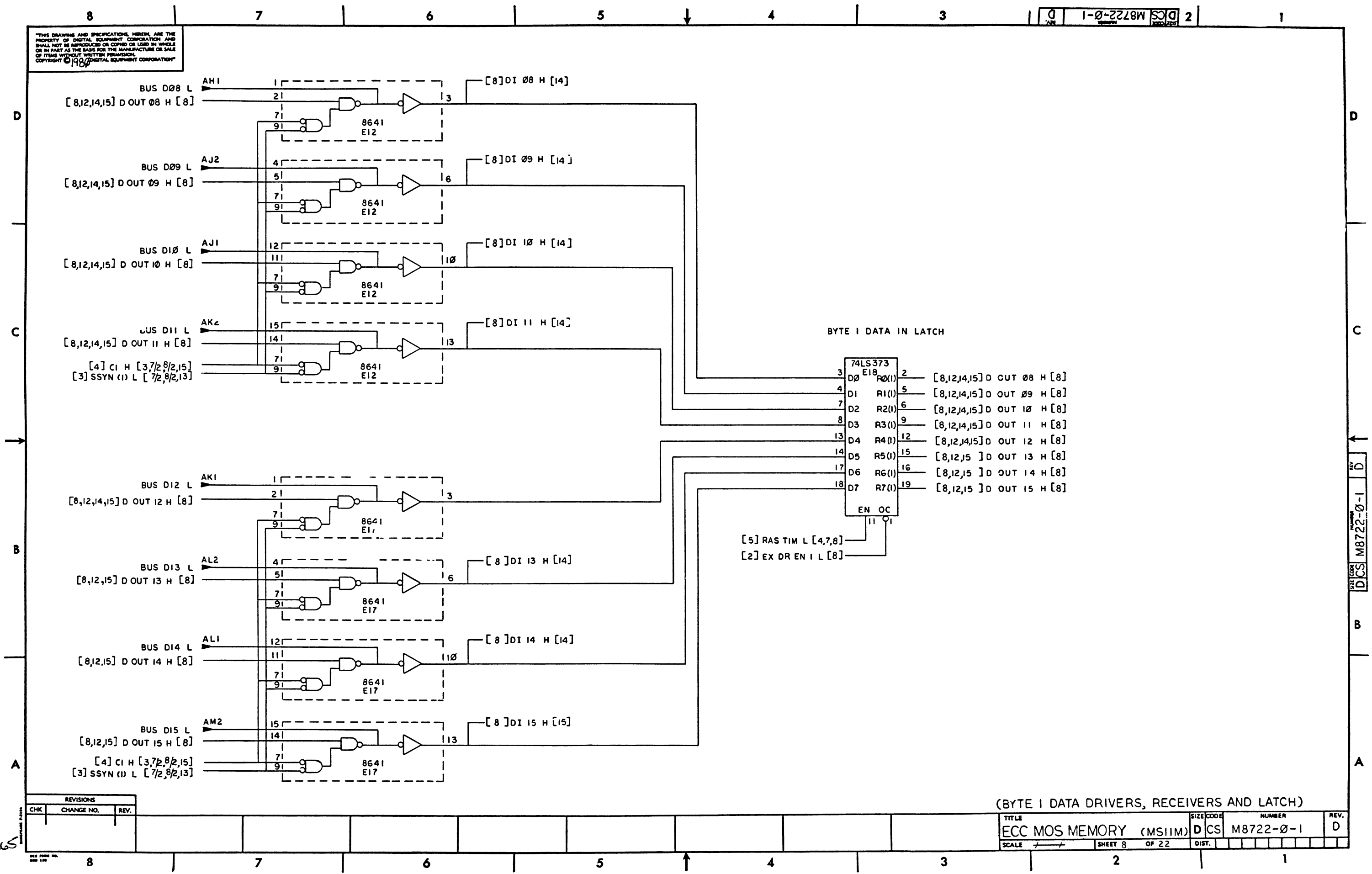
(BYTE 0 DATA DRIVERS, RECEIVERS AND LATCH)

TITLE		SIZE CODE	NUMBER	REV
ECC MOS MEMORY(MSIIM)		D CS	M8722-0-1	D
SCALE	+	SHEET	7 OF 22	DIST.

REV D
M8722-0-1
D

264

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
 COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION

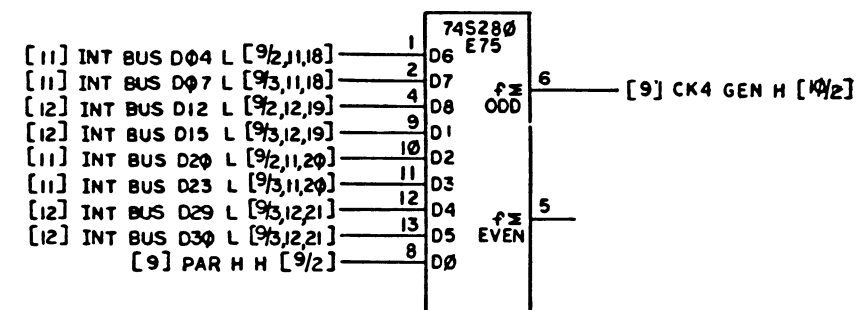
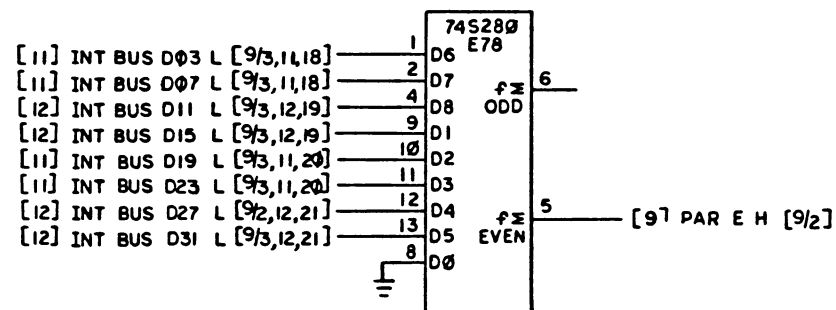
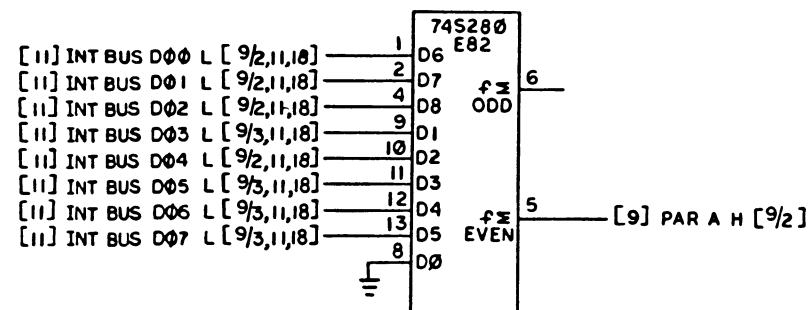


REVISIONS		
CHK	CHANGE NO.	REV.

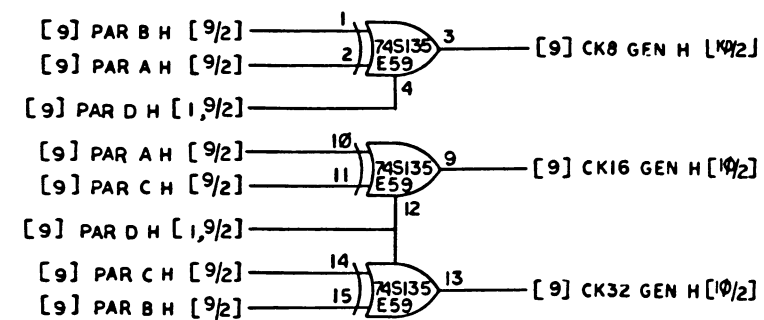
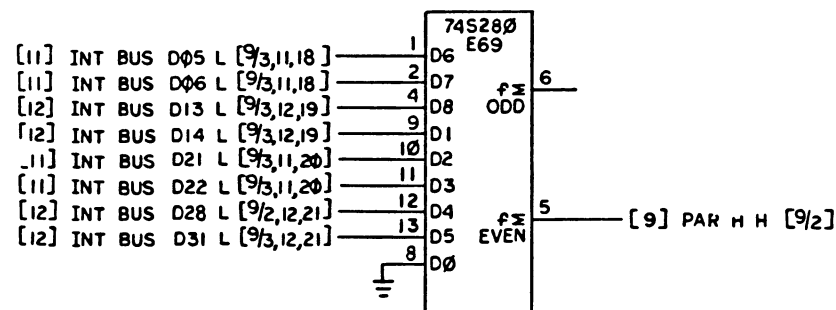
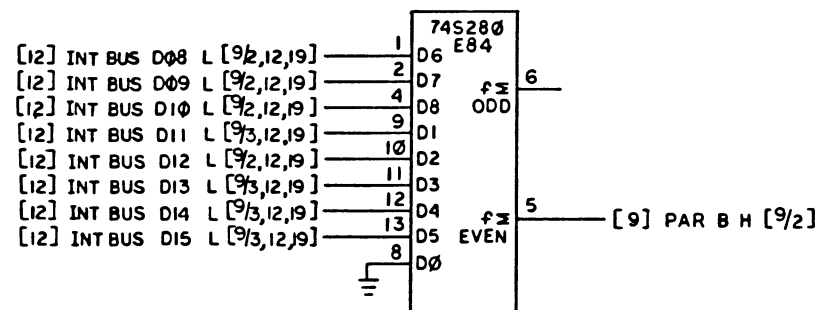
TITLE		SIZE	CODE	NUMBER		REV.
ECC MOS MEMORY (MSIIM)		D	CS	M8722-0-1		D
SCALE	+	+	SHEET 8	OF 22	DIST.	

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION

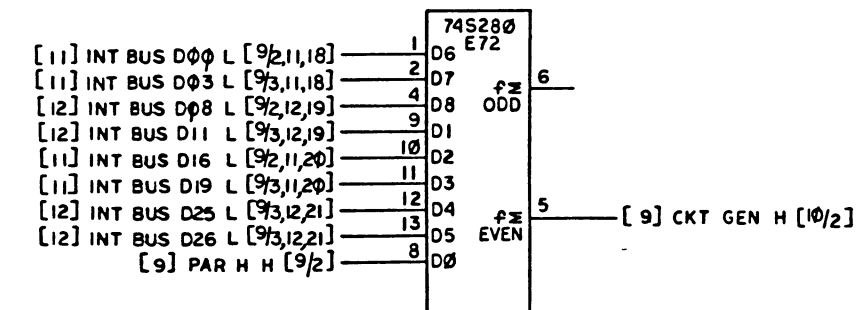
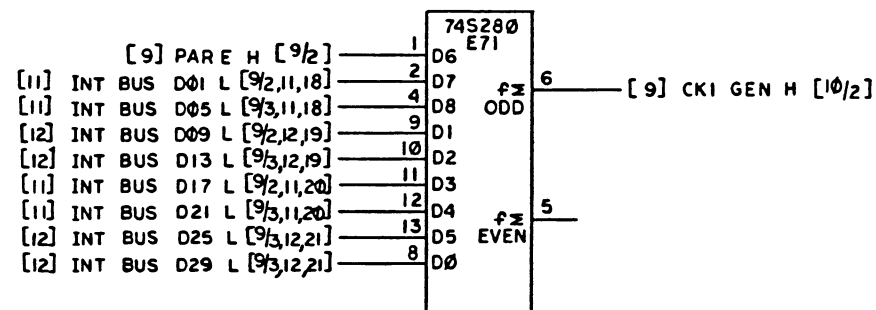
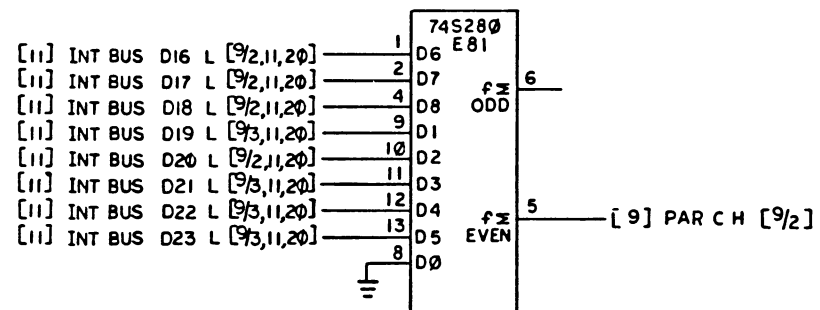
D



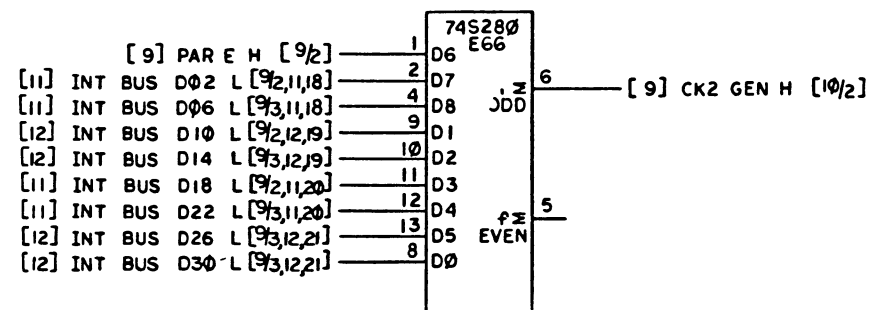
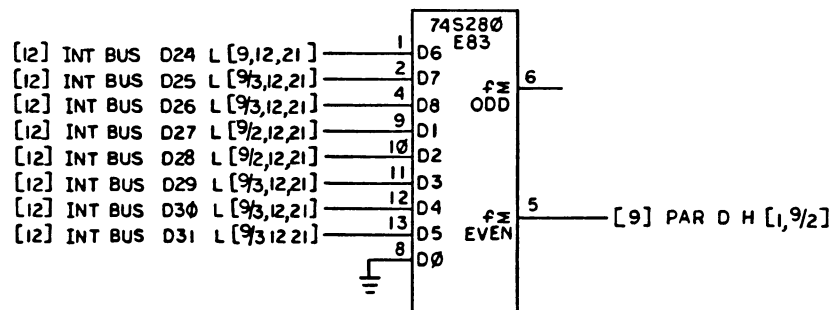
C



B



A



NOTE: CHECK BIT PATTERN FOR ALL 0'S OR ALL 1'S DATA IS: CKT CK32 CK16 CK8 CK4 CK2 CK1

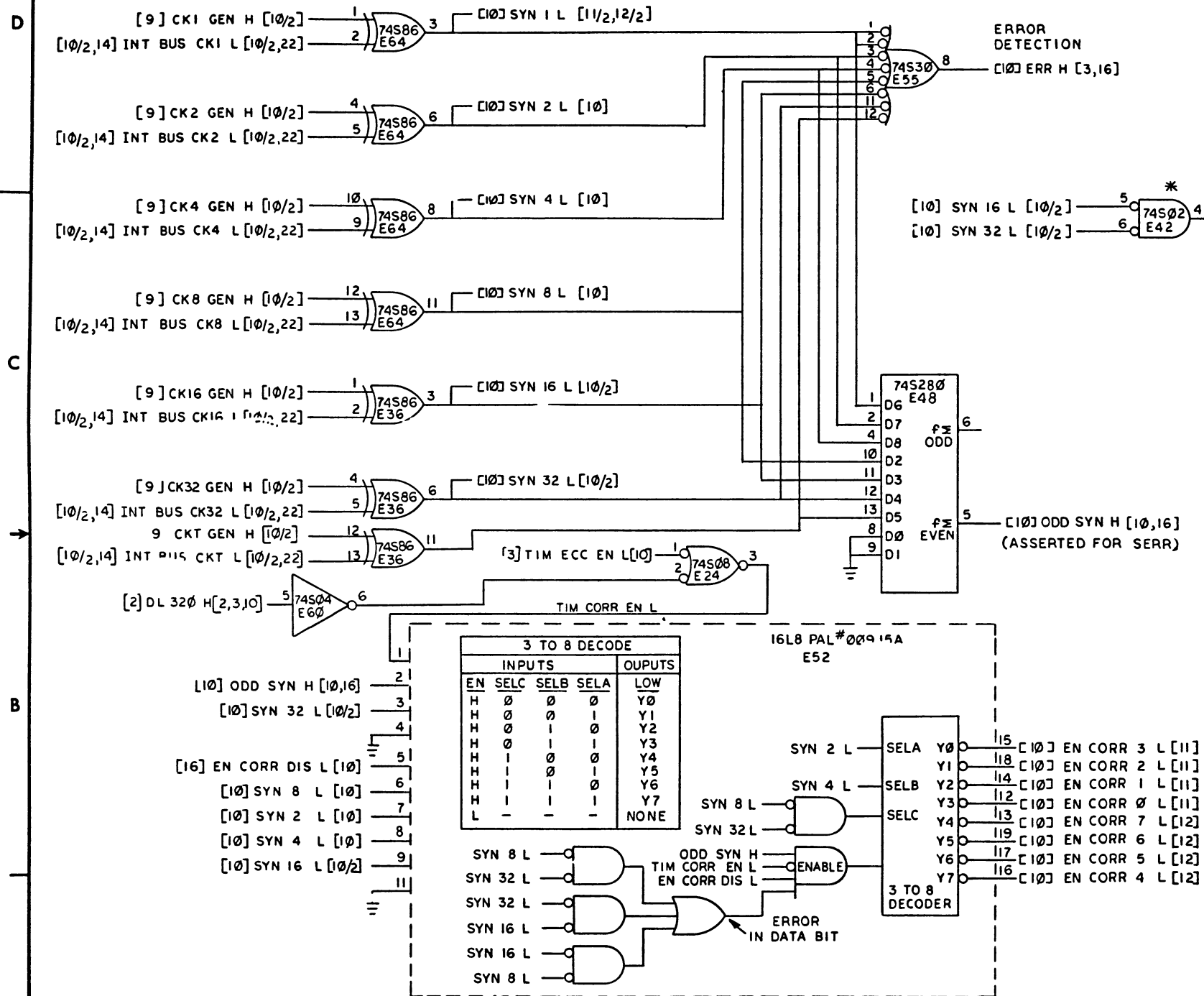
(CHECK BIT GENERATION)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE	CODE	NUMBER		REV.
ECC MOS MEMORY (MS11M)		D	CS	M8722-0-1		D
SCALE		SHEET 9 OF 22		DIST.		

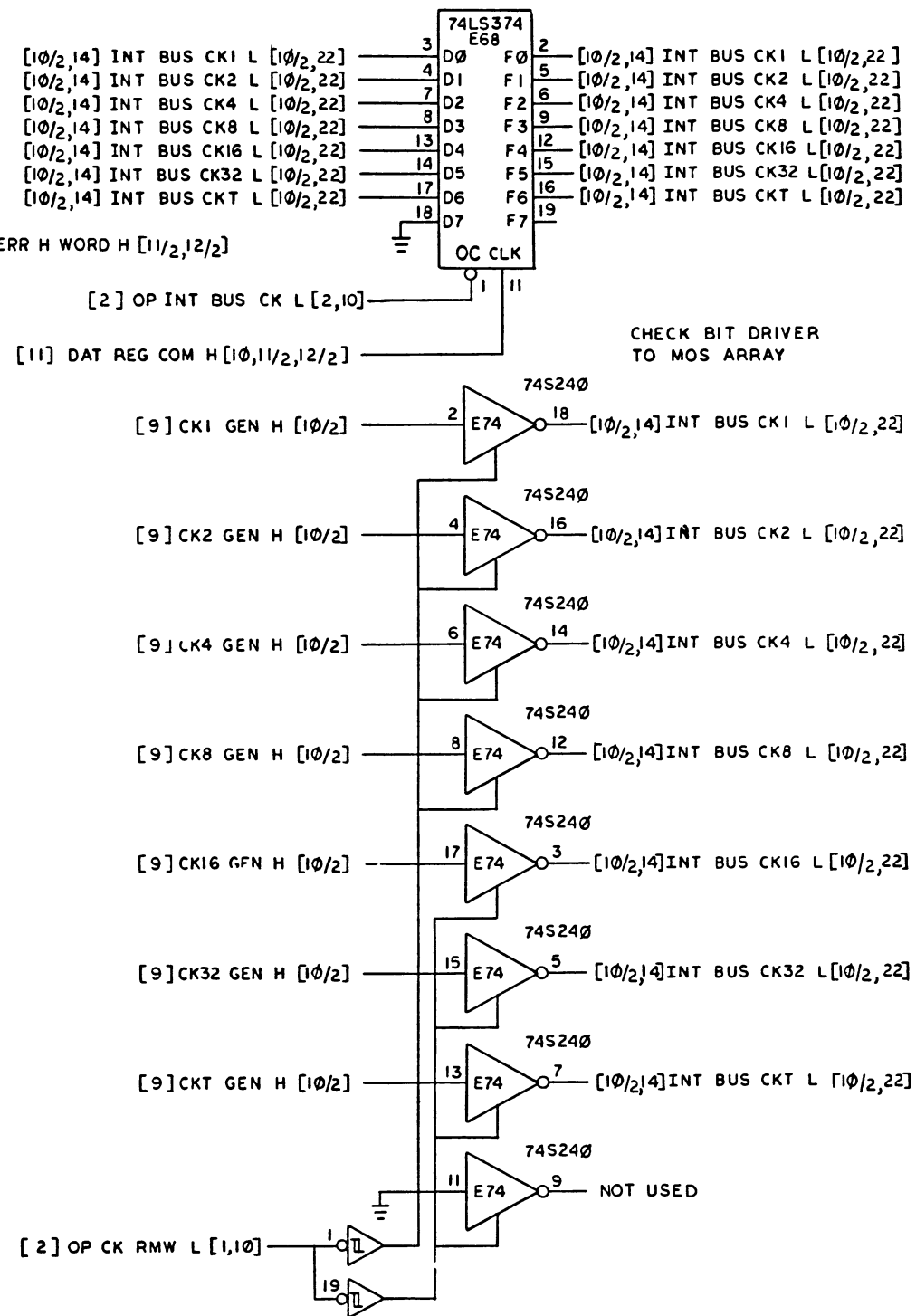
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1967 DIGITAL EQUIPMENT CORPORATION

SYNDROME GENERATION ON CHECK BIT COMPARE



ERROR IN DATA BIT DECODE
i.e. EN CORR0 L ASSERTED FOR ERROR IN BITS 0 OR 1
OF LOWER WORD OR UPPER WORD.
EN CORR1 L ASSERTED FOR ERROR IN BITS 2 OR 3
OF LOWER WORD OR UPPER WORD ETC.
NO OUTPUTS ASSERTED FOR ERROR IN CHECK BIT

CHECK BIT REGISTER

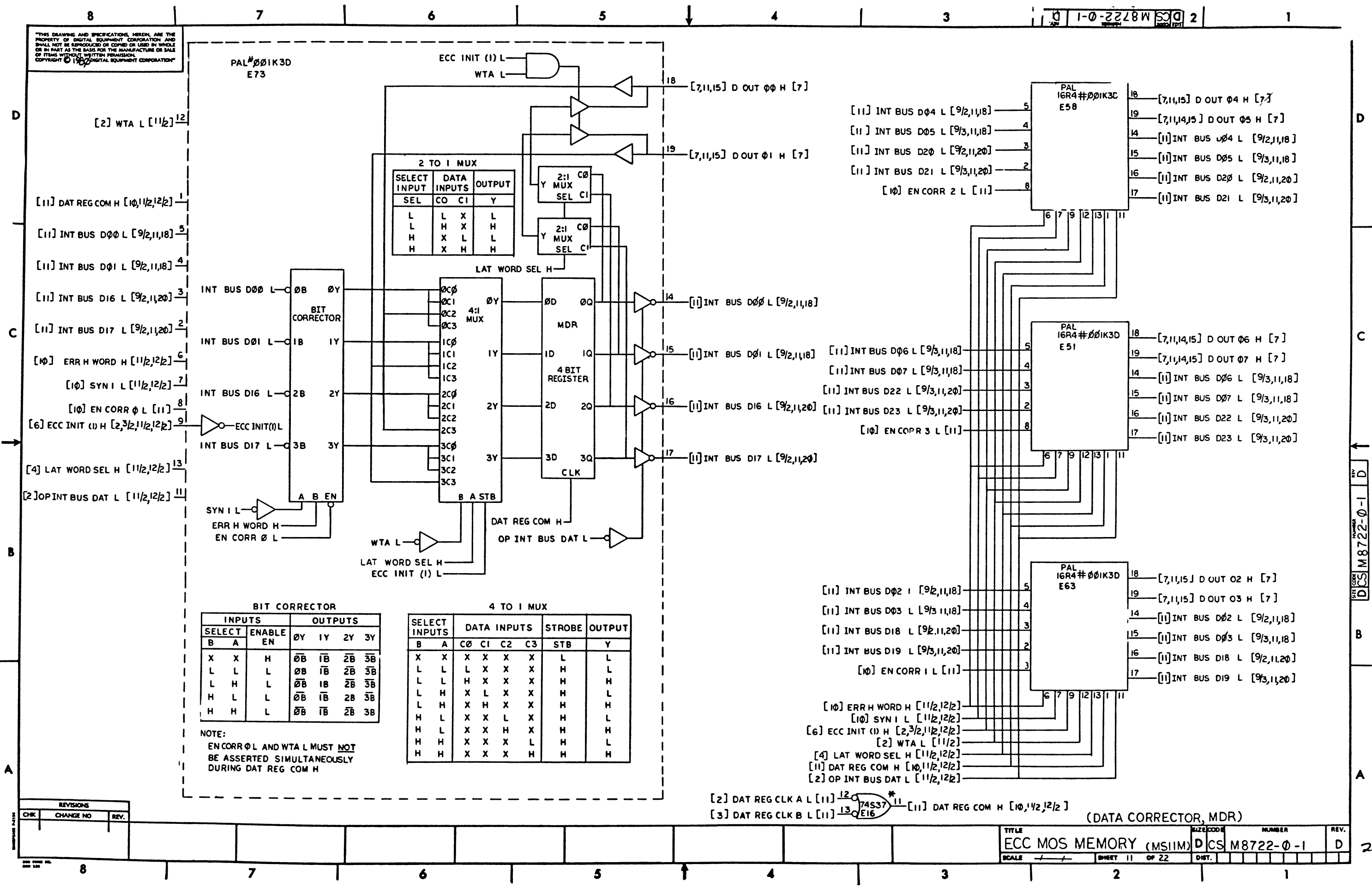


(SYNDROME GENERATION, ERROR
DECODE, CHECK BIT REGISTER)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE	CODE	NUMBER		REV.
ECC MOS MEMORY (MS11M)		D	CS	M8722-0-1		D
SCALE	—#—	SHEET	10	OF	22	DIST.

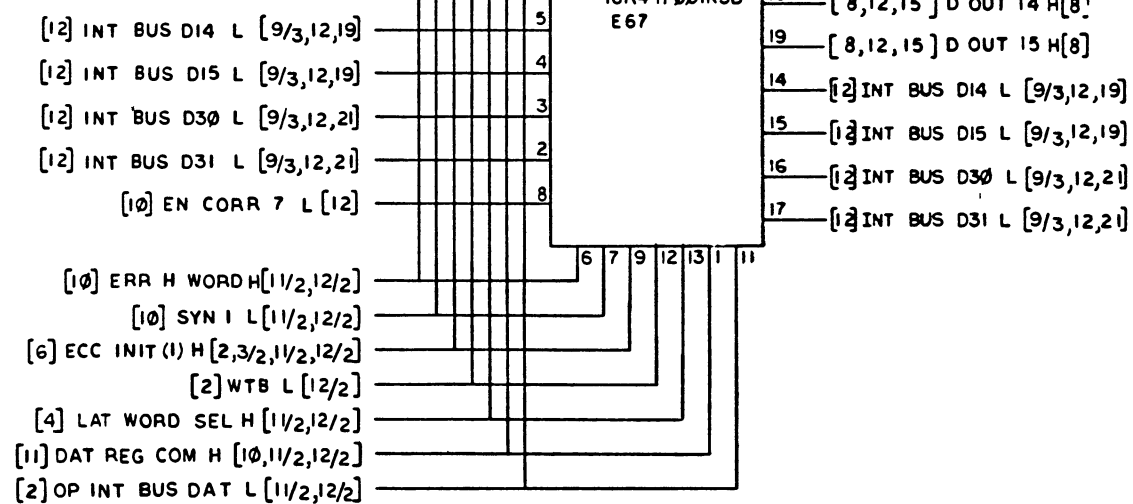
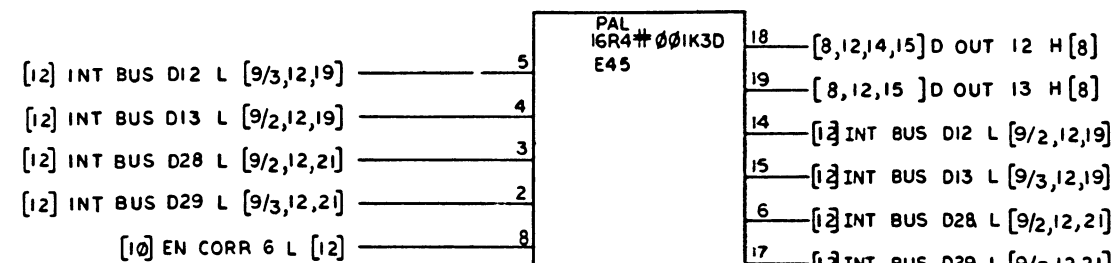
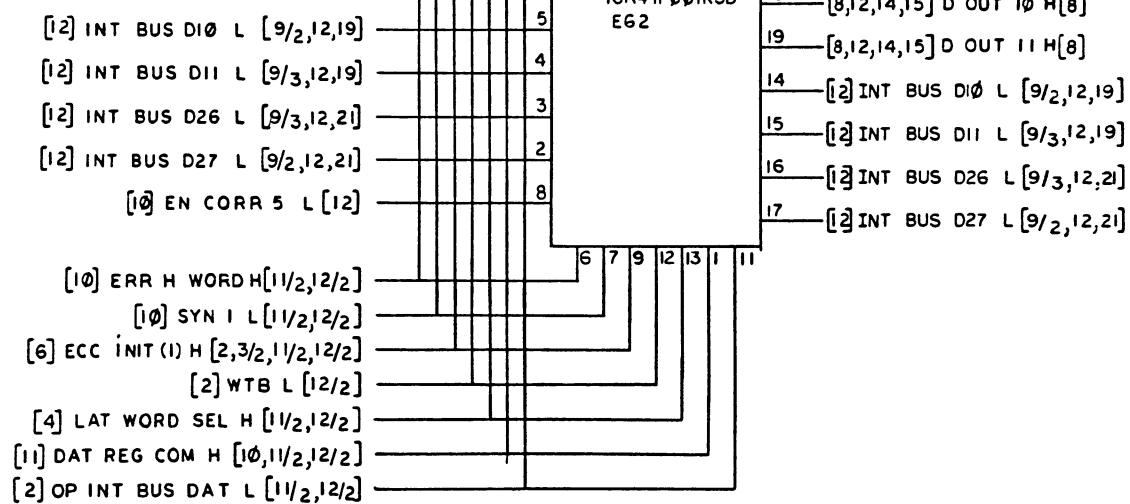
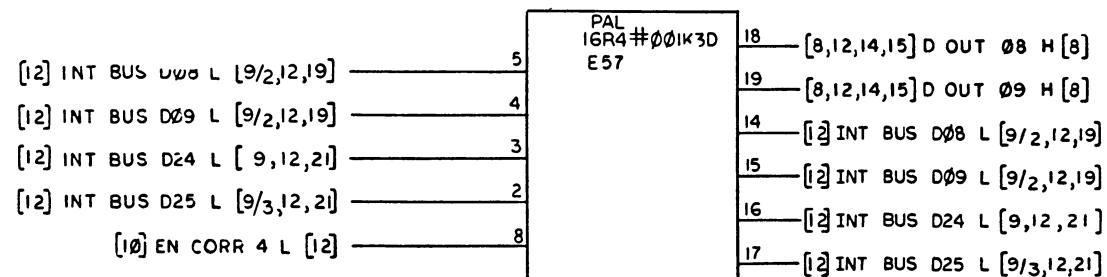
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1987 DIGITAL EQUIPMENT CORPORATION



REVISIONS		
CHK	CHANGE NO	REV.

TITLE	SCALE	SHEET	OF	NUMBER	REV.
ECC MOS MEMORY (MS11M)		11	22	D CS M8722-0-1	D

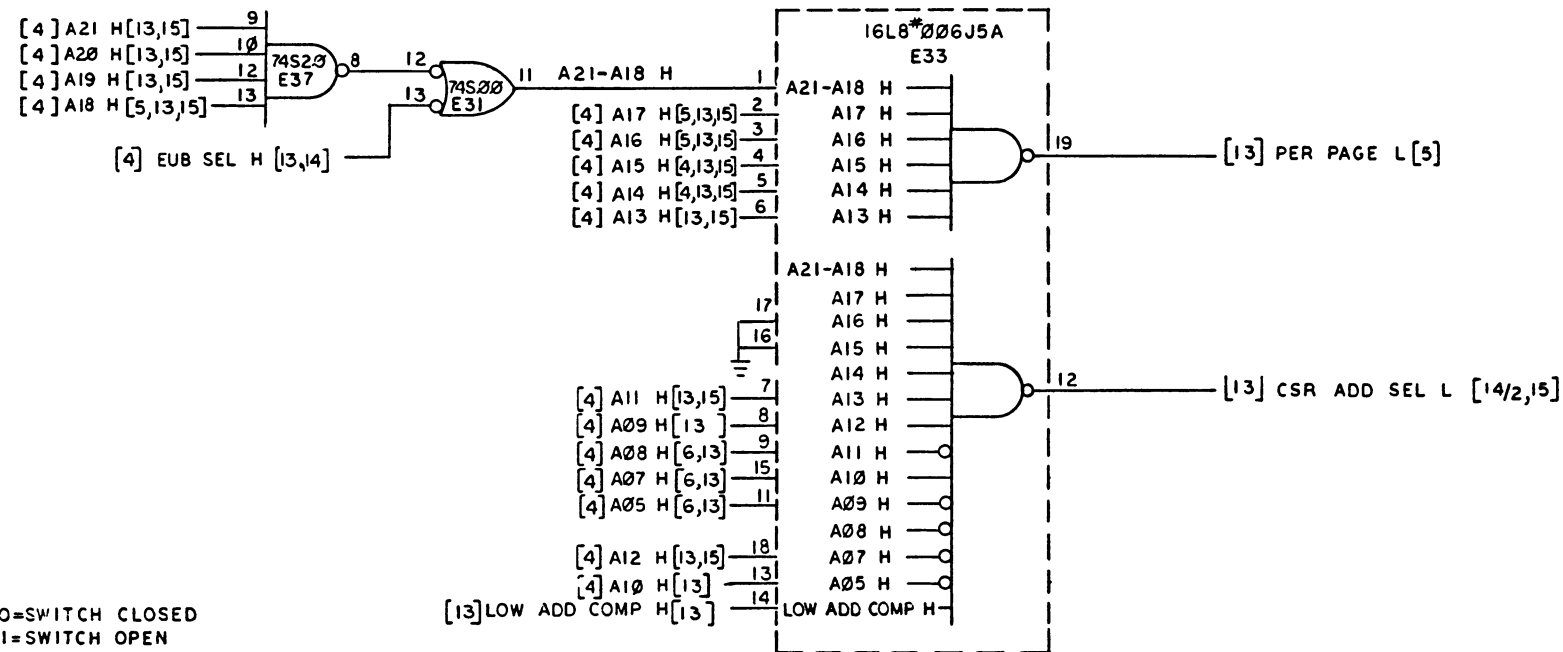
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1967 DIGITAL EQUIPMENT CORPORATION"



(DATA CORRECTOR, MDR)

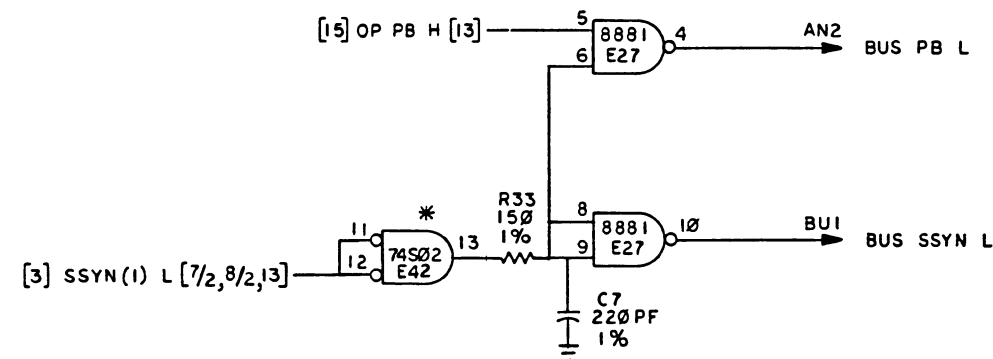
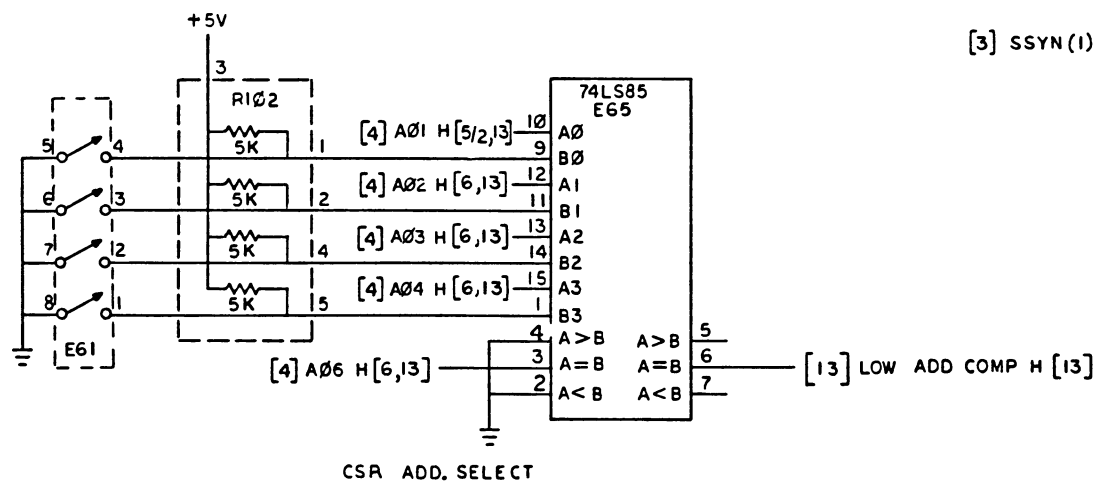
TITLE		SIZE CODE	NUMBER		REV.
ECC MOS MEMORY (MSIIM)		D CS	M8722-0-1		D
SCALE		SHEET		DIST.	
1/1		12 OF 22			

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1977 DIGITAL EQUIPMENT CORPORATION



0=SWITCH CLOSED
1=SWITCH OPEN

CSR ADDRESS	E61			
	A04	A03	A02	A01
77210C	0	0	0	0
772102	0	0	0	1
772104	0	0	1	0
772106	0	0	1	1
772110	0	1	0	0
772112	0	1	0	1
772114	0	1	1	0
772116	0	1	1	1
772120	1	0	0	0
772122	1	0	0	1
772124	1	0	1	0
772126	1	0	1	1
772130	1	1	0	0
772132	1	1	0	1
772134	1	1	1	0
772136	1	1	1	1

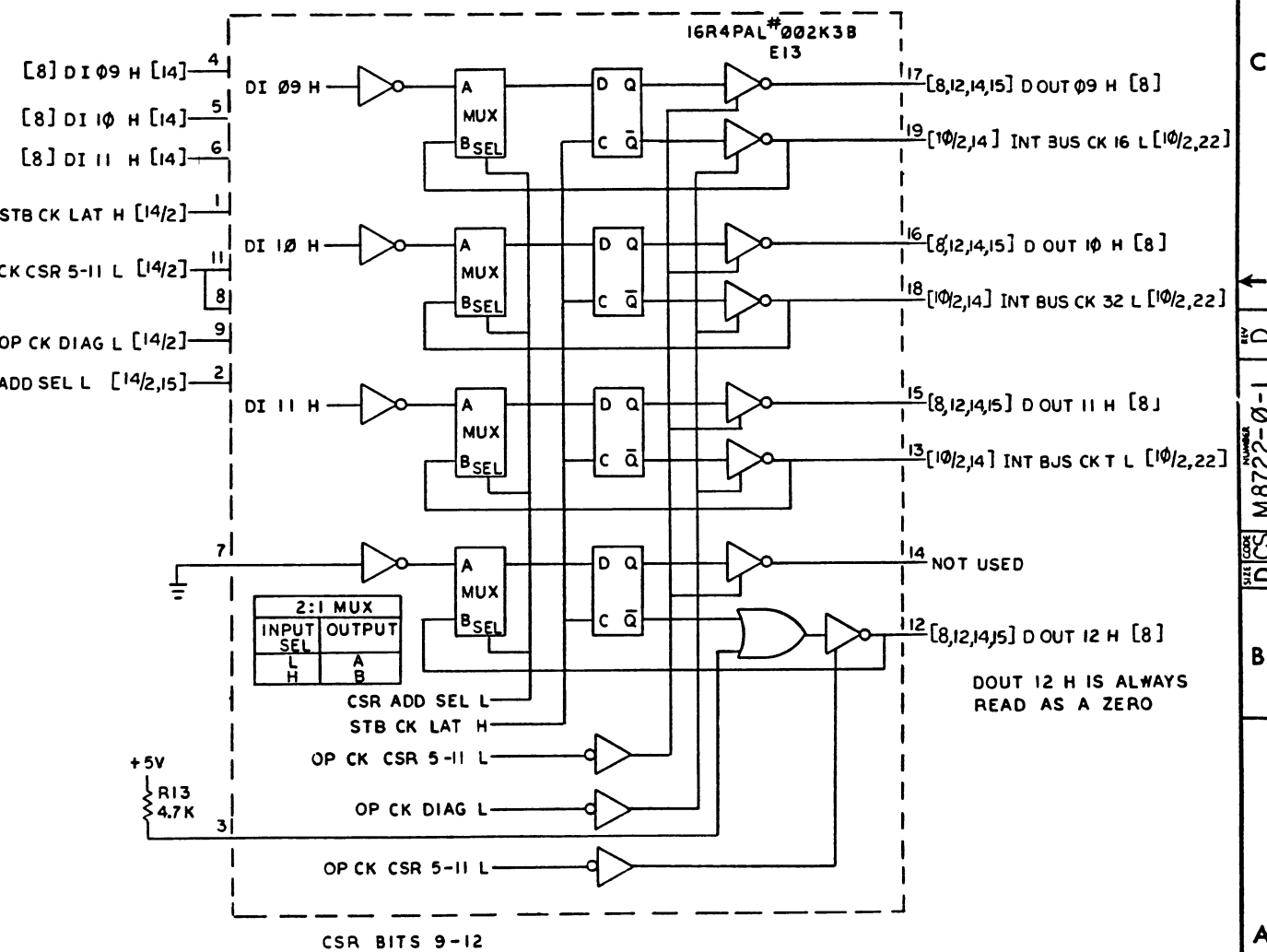
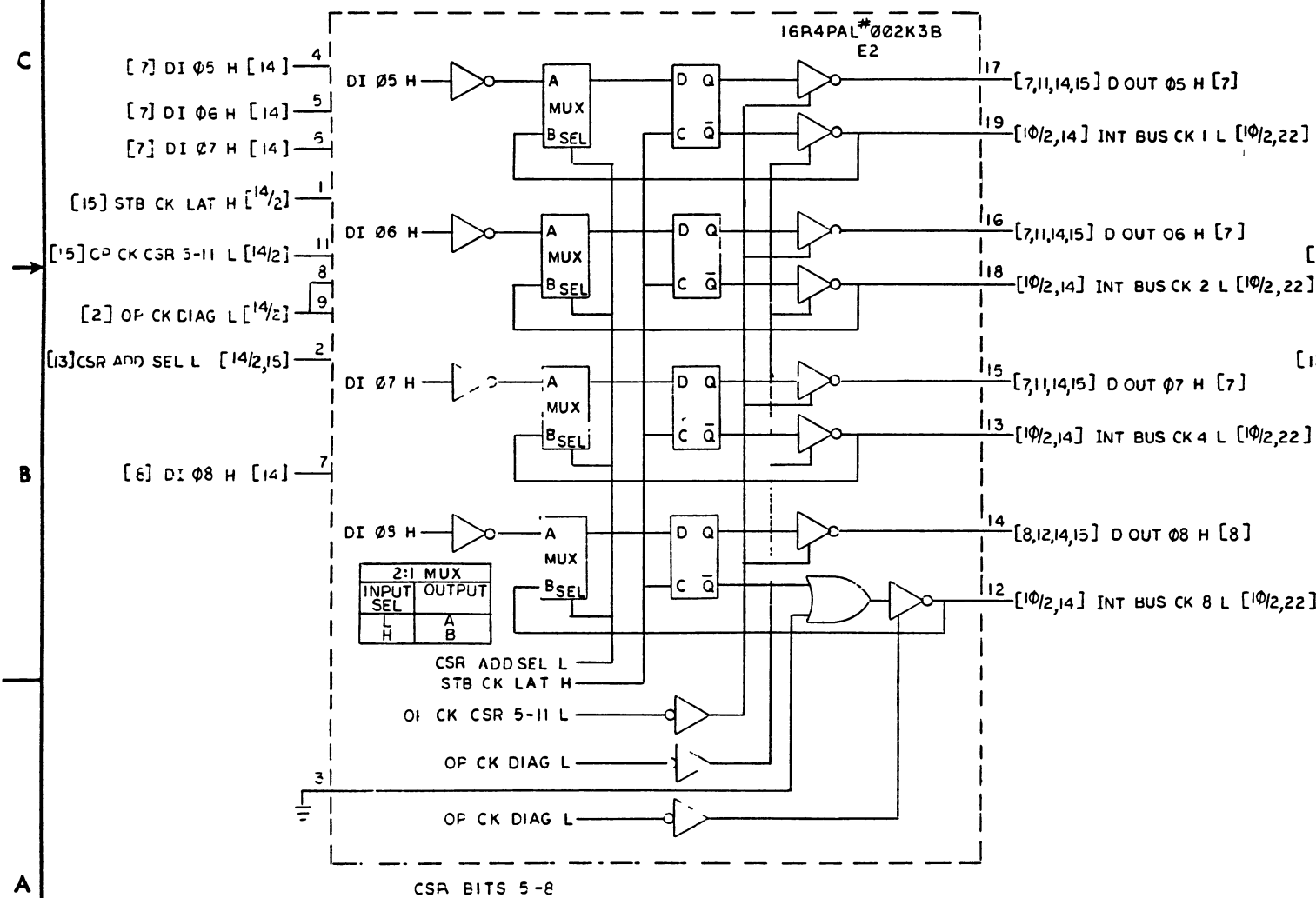
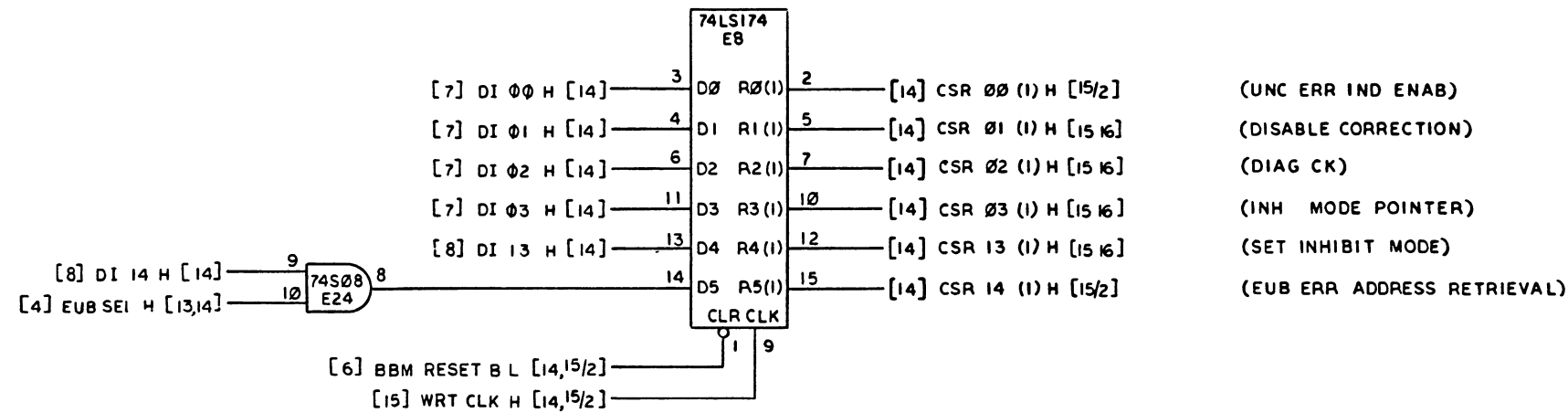


(CSR ADDRESS SELECTION)

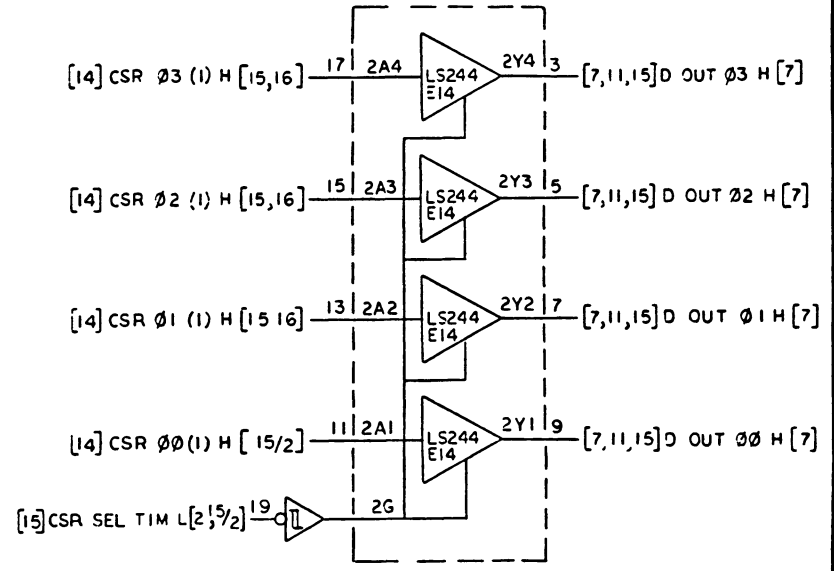
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
ECC MOS MEMORY (MS11M)	D CS	M8722-0-1	D
SCALE	SHEET 13 OF 22	DIST.	

270



REVISIONS		
CHK	CHANGE NO	REV.

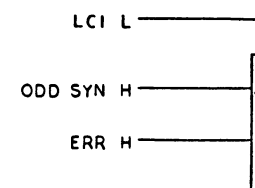
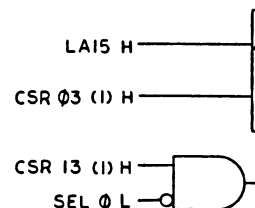


CSR CONTROL, CSR ERR ADDR STORAGE, CSR BITS 04,15									
TITLE				SIZE CODE		NUMBER			
ECC BIOS MEMORY (MSIM)				D CS		M8722-0-1			
SCALE		SHEET 15 OF 22		DIST.					

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION"

- [14] CSR 01 (1) H [15,16] 1
[4] LA 15 H [6,16] 2
[14] CSR 03 (1) H [15,16] 3
[14] CSR 02 (1) H [15,16] 4
[14] CSR 13 (1) H [15,16] 5
[5] SEL 0 L [16] 6
[10] ODD SYN H [10,16] 7
[10] ERR H [3,16] 8
[3] CLK CSR 5-11 L [15,16] 9
[3] LCI L [2,5,16] 11
[15] CSR 15 (1) H [15/2,16] 13

DECODER			
STB	INPUTS B A	OUTPUTS LOW	
H	L L	F00	
H	L H	F01	
H	H L	F10	
H	H H	F11	
L	X X	NONE	



DECODER			
STB	INPUTS B A	OUTPUTS HIGH	
H	L L	F00	
H	L H	F01	
H	H L	F10	
H	H H	F11	
L	X X	NONE	

2:1 MUX		
STB	INPUTS	OUTPUTS
L	L	A
L	H	B
H	X	L

ERR H
ODD SYN H
LCI L

ECC DIS L
ERR H
ODD SYN H
LCI L
DIAG CK L

ECC DIS H

DIAG CK H
LCI L

16L8 PAL #008J5C
E29

CSR 01 (1) H

CSR 02 (1) H

CLK CSR 5-11 L

LCI L

ODD SYN H

ERR H

ECC DIS H

S ERR H

CSR 15 (1) H

UNC ERR H

ERR H
ODD SYN H
LCI L

ECC DIS L
ERR H
ODD SYN H
LCI L
DIAG CK L

ECC DIS H

DIAG CK H
LCI L

ECC DIS L

ECC DIS H

DIAG CK L

DIAG CK H

S ERR H

UNC ERR L

UNC ERR H

ECC DIS H

S ERR H

CSR 15 (1) H

UNC ERR H

ERR H
ODD SYN H
LCI L

ECC DIS L
ERR H
ODD SYN H
LCI L
DIAG CK L

ECC DIS H

DIAG CK H
LCI L

18

17

16

15

12

19

14

ECC DIS L (NOT USED EXTERNALLY)

[16] DIAG CK L [2,15]

[16] S ERR L [15]

[16] UNC ERR L [15/2]

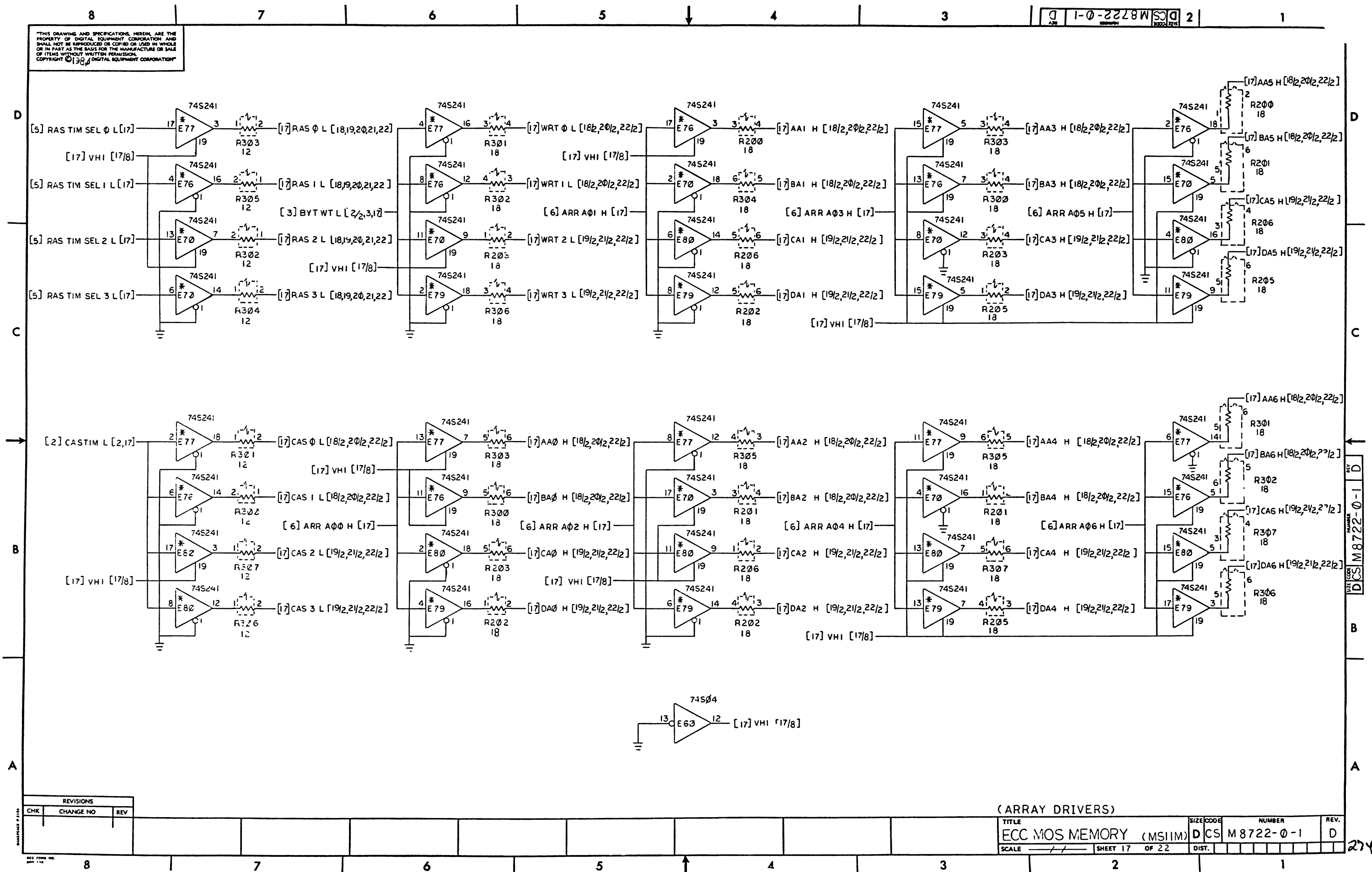
[16] CLK ERR ADD H [15]

[16] D ERR L [2]

[16] EN CORR DIS L [10]

(ERROR CONTROL)

TITLE		SIZE	CODE	NUMBER		REV.
ECC MOS MEMORY(MSIIM)		D	CS	M 8722-0-1		D
SCALE		SHEET		OF		
1:1		16		22		



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION

[17] RAS 0 L [18,19,20,21,22]
[17] CAS 0 L [18,2,20,2,22/2]
[17] WRT 0 L [18,2,20,2,22/2]

[17] AA0 H [18,2,20,2,22/2]
[17] AA1 H [18,2,20,2,22/2]
[17] AA2 H [18,2,20,2,22/2]
[17] AA3 H [18,2,20,2,22/2]
[17] AA4 H [18,2,20,2,22/2]
[17] AA5 H [18,2,20,2,22/2]
[17] AA6 H [18,2,20,2,22/2]

[17] RAS 1 L [18,19,20,21,22]
[17] CAS 0 L [18,2,20,2,22/2]
[17] WRT 0 L [18,2,20,2,22/2]

[17] AA0 H [18,2,20,2,22/2]
[17] AA1 H [18,2,20,2,22/2]
[17] AA2 H [18,2,20,2,22/2]
[17] AA3 H [18,2,20,2,22/2]
[17] AA4 H [18,2,20,2,22/2]
[17] AA5 H [18,2,20,2,22/2]
[17] AA6 H [18,2,20,2,22/2]

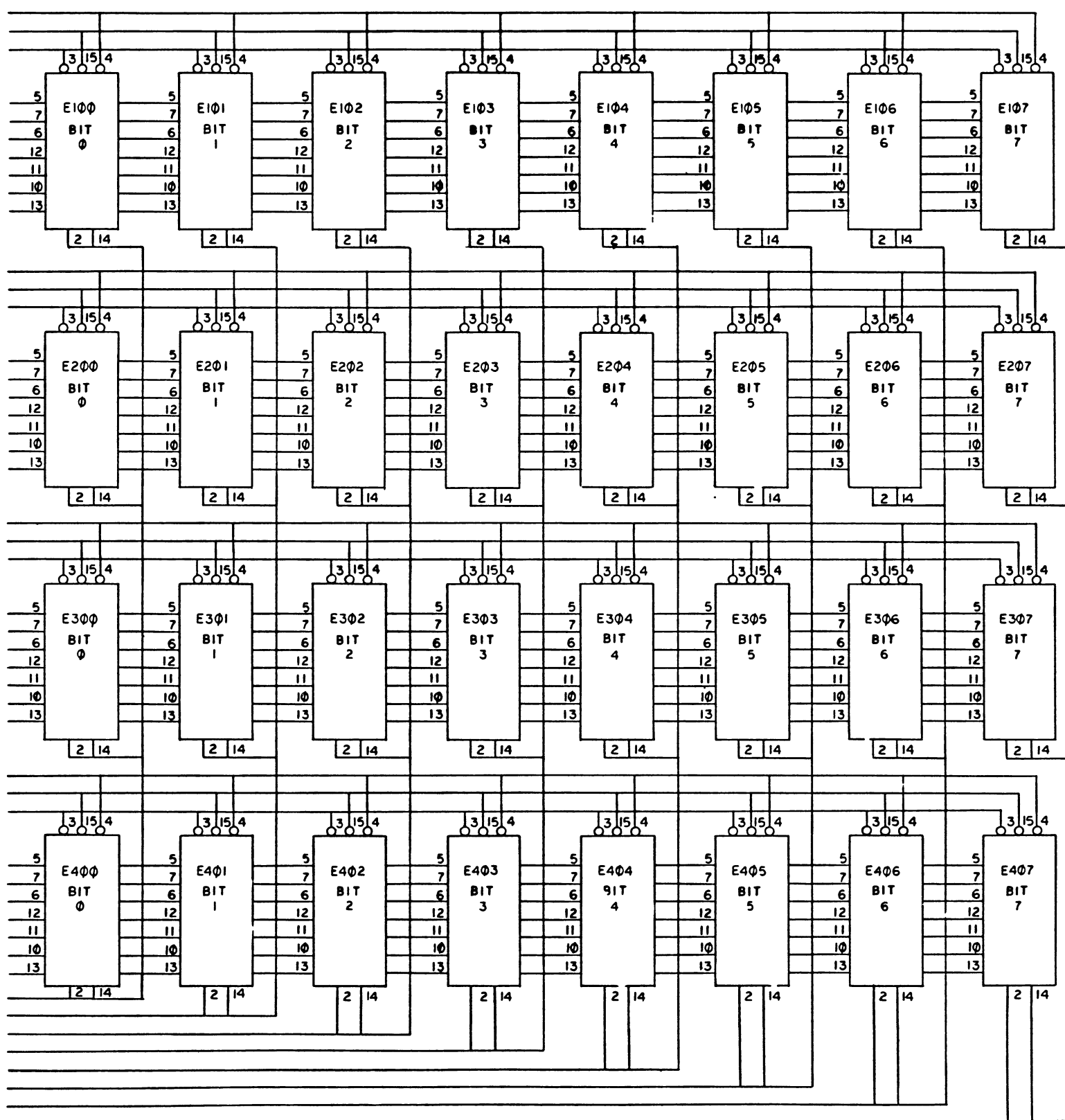
[17] RAS 2 L [18,19,20,21,22]
[17] CAS 1 L [18,2,20,2,22/2]
[17] WRT 1 L [18,2,20,2,22/2]

[17] BA0 H [18,2,20,2,22/2]
[17] BA1 H [18,2,20,2,22/2]
[17] BA2 H [18,2,20,2,22/2]
[17] BA3 H [18,2,20,2,22/2]
[17] BA4 H [18,2,20,2,22/2]
[17] BA5 H [18,2,20,2,22/2]
[17] BA6 H [18,2,20,2,22/2]

[17] RAS 3 L [18,19,20,21,22]
[17] CAS 1 L [18,2,20,2,22/2]
[17] WRT 1 L [18,2,20,2,22/2]

[17] BA0 H [18,2,20,2,22/2]
[17] BA1 H [18,2,20,2,22/2]
[17] BA2 H [18,2,20,2,22/2]
[17] BA3 H [18,2,20,2,22/2]
[17] BA4 H [18,2,20,2,22/2]
[17] BA5 H [18,2,20,2,22/2]
[17] BA6 H [18,2,20,2,22/2]

[11] INT BUS D00 L [9/2,1,18]
[11] INT BUS D01 L [9/2,1,18]
[11] INT BUS D02 L [9/2,1,18]
[11] INT BUS D03 L [9/3,1,18]
[11] INT BUS D04 L [9/2,1,18]
[11] INT BUS D05 L [9/3,1,18]
[11] INT BUS D06 L [9/3,1,18]
[11] INT BUS D07 L [9/3,1,18]



GND PIN 16
-5V PIN 1
+5V PIN 9
+12V PIN 8

FOR 16K
MOS RAM

NOTE:
ALL MOS RAM VOLTAGES ARE
BATTERY BACKED UP

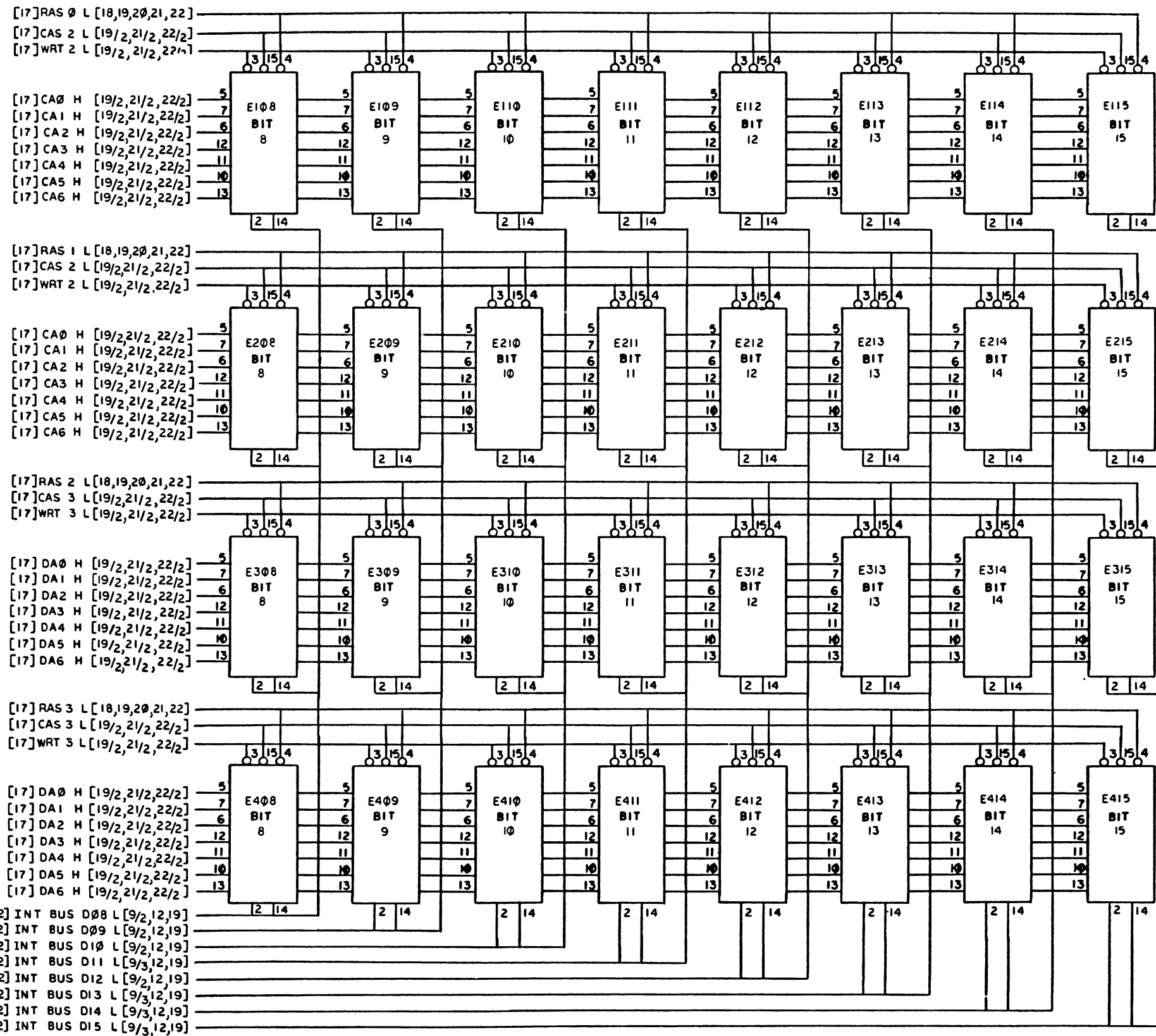
MOS ARRAY (DATA BYTE 0)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE	CODE	NUMBER		REV.
ECC MOS MEMORY (MSIM)		D	CS	M8722-0-1		D
SCALE		SHEET 18 OF 22		DIST.		

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION
1980

1-0-2228W 2



GND PIN 16
-5V PIN 1
+5V PIN 9
+12V PIN 8

FOR 16K
MOS RAM

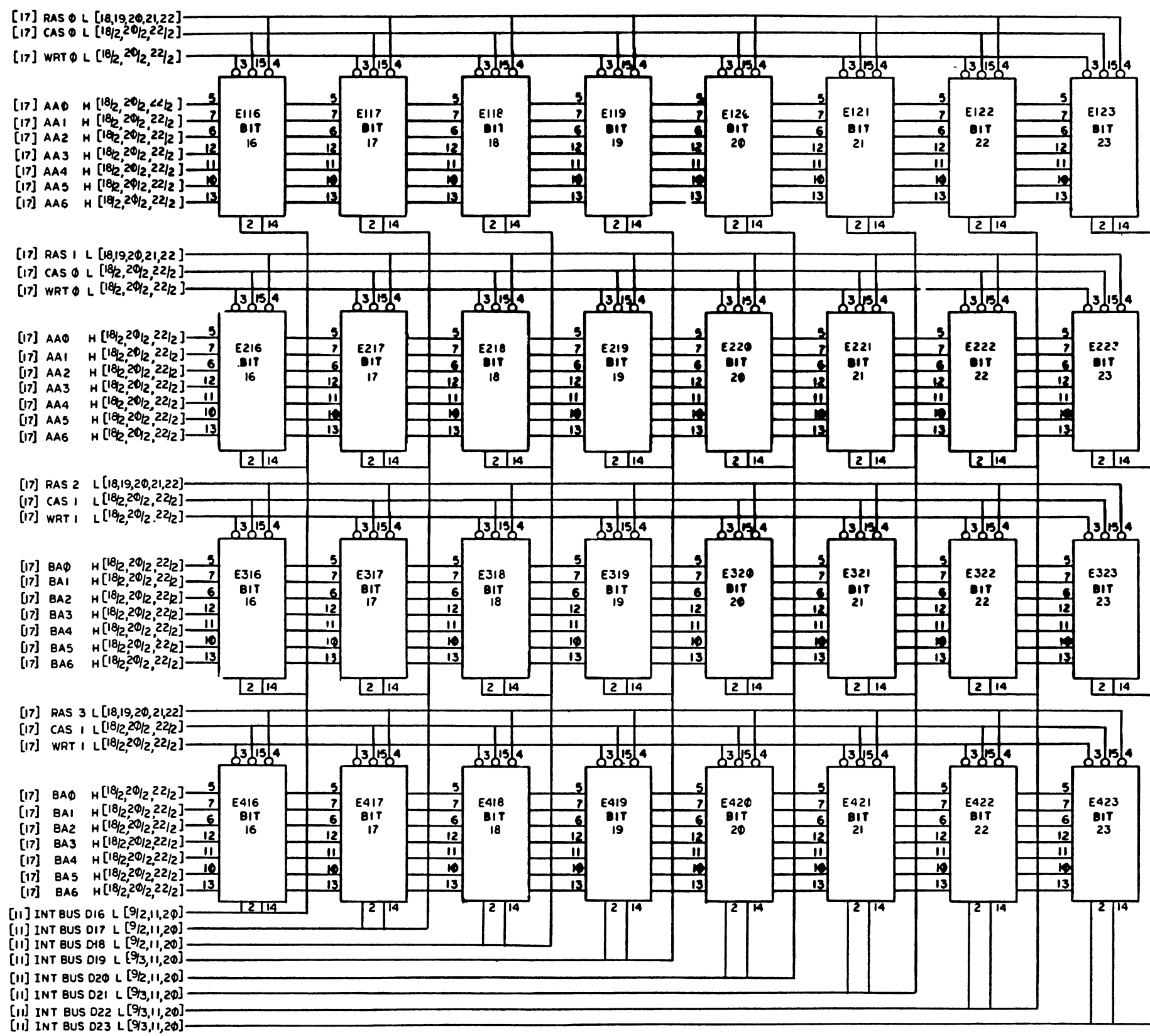
NOTE: ALL MOS RAM VOLTAGES
ARE BATTERY BACKED UP.

MOS ARRAY (DATA BYTE 1)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
ECC MOS MEMORY (MSIM)		D CS	M8722-0-1	D
SCALE		SHEET 19 OF 22	DIST.	

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION
1980



GND PIN 16
- 5V PIN 1
+ 5V PIN 9
+ 12V PIN 8
FOR 16K
MOS RAM

NOTE:
ALL MOS RAM VOLTAGES ARE BATTERY
BACKED UP

MOS ARRAY (DATA BYTE 2)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE	CODE	NUMBER		REV.
ECC MOS MEMORY (MSIM)		D	CS	M8722-0-1	D	D
SCALE		SHEET 20		OF 22		DIST.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION. COPYRIGHT © 1980

DCS M8722-0-1 2

[17] RAS 0 L [18,19,20,21,22]
[17] CAS 2 L [19/2,21/2,22/2]
[17] WRT 2 L [19/2,21/2,22/2]

[17] CA0 H [19/2,21/2,22/2]
[17] CA1 H [19/2,21/2,22/2]
[17] CA2 H [19/2,21/2,22/2]
[17] CA3 H [19/2,21/2,22/2]
[17] CA4 H [19/2,21/2,22/2]
[17] CA5 H [19/2,21/2,22/2]
[17] CA6 H [19/2,21/2,22/2]

[17] RAS 1 L [18,19,20,21,22]
[17] CAS 2 L [19/2,21/2,22/2]
[17] WRT 2 L [19/2,21/2,22/2]

[17] CA0 H [19/2,21/2,22/2]
[17] CA1 H [19/2,21/2,22/2]
[17] CA2 H [19/2,21/2,22/2]
[17] CA3 H [19/2,21/2,22/2]
[17] CA4 H [19/2,21/2,22/2]
[17] CA5 H [19/2,21/2,22/2]
[17] CA6 H [19/2,21/2,22/2]

[17] RAS 2 L [18,19,20,21,22]
[17] CAS 3 L [19/2,21/2,22/2]
[17] WRT 3 L [19/2,21/2,22/2]

[17] DA0 H [19/2,21/2,22/2]
[17] DA1 H [19/2,21/2,22/2]
[17] DA2 H [19/2,21/2,22/2]
[17] DA3 H [19/2,21/2,22/2]
[17] DA4 H [19/2,21/2,22/2]
[17] DA5 H [19/2,21/2,22/2]
[17] DA6 H [19/2,21/2,22/2]

[17] RAS 3 L [18,19,20,21,22]
[17] CAS 3 L [19/2,21/2,22/2]
[17] WRT 3 L [19/2,21/2,22/2]

[17] DA0 H [19/2,21/2,22/2]
[17] DA1 H [19/2,21/2,22/2]
[17] DA2 H [19/2,21/2,22/2]
[17] DA3 H [19/2,21/2,22/2]
[17] DA4 H [19/2,21/2,22/2]
[17] DA5 H [19/2,21/2,22/2]
[17] DA6 H [19/2,21/2,22/2]

[12] INT BUS D24 L [9,12,21]
[12] INT BUS D25 L [9/3,12,21]
[12] INT BUS D26 L [9/3,12,21]
[12] INT BUS D27 L [9/2,12,21]
[12] INT BUS D28 L [9/2,12,21]
[12] INT BUS D29 L [9/3,12,21]
[12] INT BUS D30 L [9/3,12,21]
[12] INT BUS D31 L [9/3,12,21]

GND PIN 16
-5V PIN 1
+5V PIN 9
+12V PIN 8
FOR 16K MOS RAM

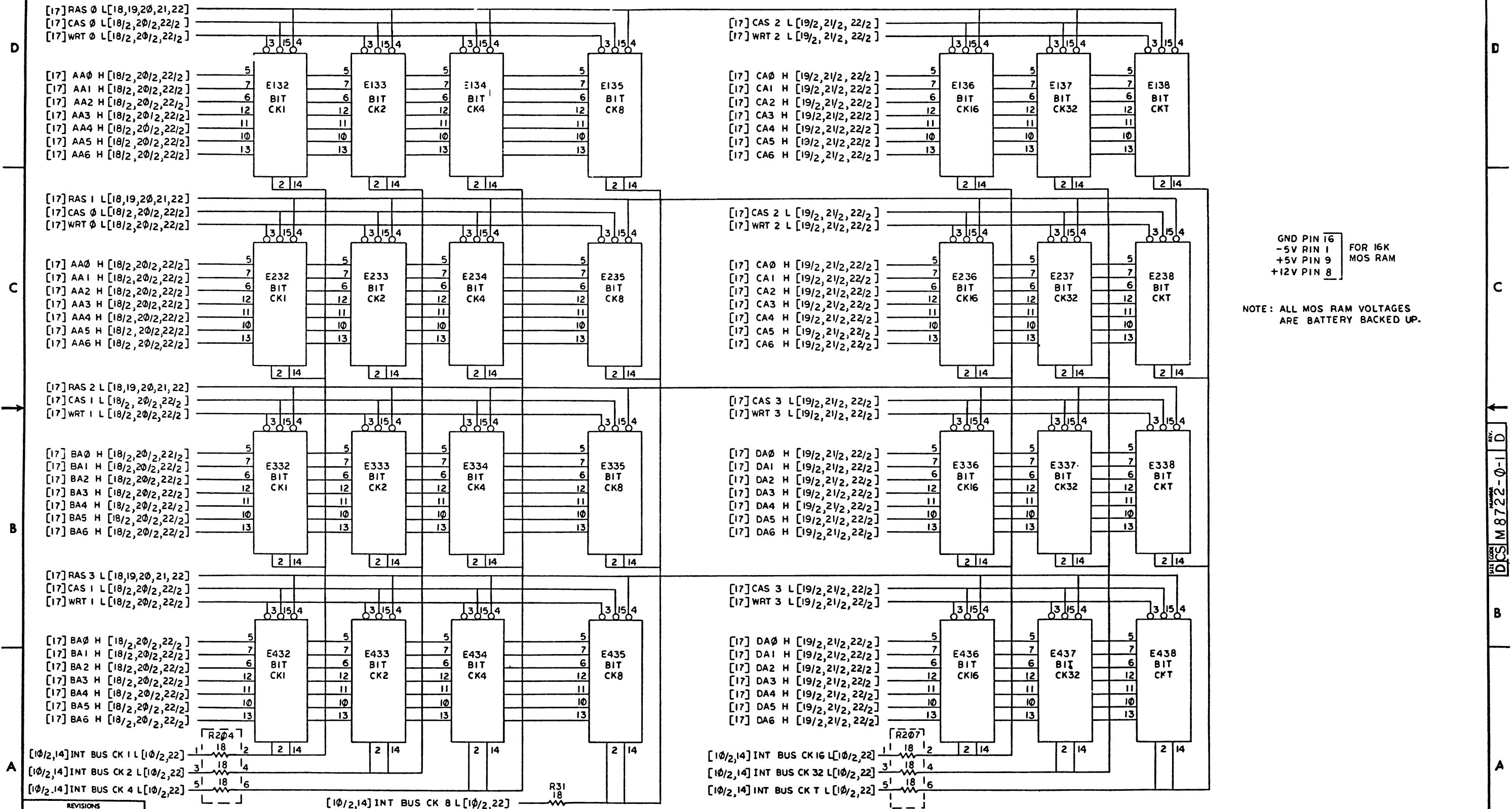
NOTE:
ALL MOS RAM VOLTAGES ARE BATTERY BACKED UP

MOS ARRAY (DATA BYTE 3)

REVISIONS		
CHK	CHANGE NO.	REV

TITLE		SIZE CODE	NUMBER	REV.
ECC MOS MEMORY (MS1M)		DCS	M8722-0-1	D
SCALE	SHEET 21	OF 22	DIST.	

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION



(CK BIT STORAGE)

REVISIONS			[10/2,14] INT BUS CK 8 L [10/2,22] 										[]										(CK BIT STORAGE)																																			
CHK	CHANGE NO.	REV																							TITLE ECC MOS MEMORY(MSIIM)										SIZE CODE D CS		NUMBER M 8722-0-1										REV. D											
																									SCALE 										SHEET 22 OF 22										DIST.													

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY H. DARAKJIAN DATE 28 MAR 79		CHECKED D. HEALY DATE 26 DEC 79		SECTION 1		MS11-MA	MS11-MB	MS11-MC	MS11-MD										
ENG <i>John B. Manton</i> DATE 1-15-80		PROD <i>Bob Schaaf</i> DATE 1-15-80		ISSUED SECTION 1															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION															REF DESIGNATION	
1	B-TC-MS11-M-1	MP00742	PRINT SET MS11-M	1	1	1	1												
2		EK-MS11M-UG	MS11-M ECC MOS MEMORY USERS GUIDE	1	1	1	1												
3		AC-F294A-MC	MS11-M & MS11-L DIAGNOSTIC LISTING	1	1	1	1												
4		AK-F293A-MC	PAPER TAPE	1	1	1	1												
E.C.O. NO.																			
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"			TITLE MS11-M SHIPPING LIST		ASSY NO. B-DD-MS11-M		SIZE B	CODE PL	NUMBER MS11-M		REV. A								
					SHEET 1 OF 1		INSERTION PARTS LIST DATA BASE REV												

FIELD MAINTENANCE PRINT SET

TABLE OF CONTENTS

[illegible]

Digital Equipment Corporation

NEW.

NUMBER
TU58-C-1

DE

B371

DRB 124

"THE MATERIAL HEREIN IS FOR INFORMATION PURPOSES ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE. DIGITAL EQUIPMENT CORPORATION ASSUMES NO RESPONSIBILITY FOR ANY ERRORS WHICH MAY APPEAR HEREIN."

DRAWING DIRECTORY

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION.

FOR FIELD MAINTENANCE PRINT SET

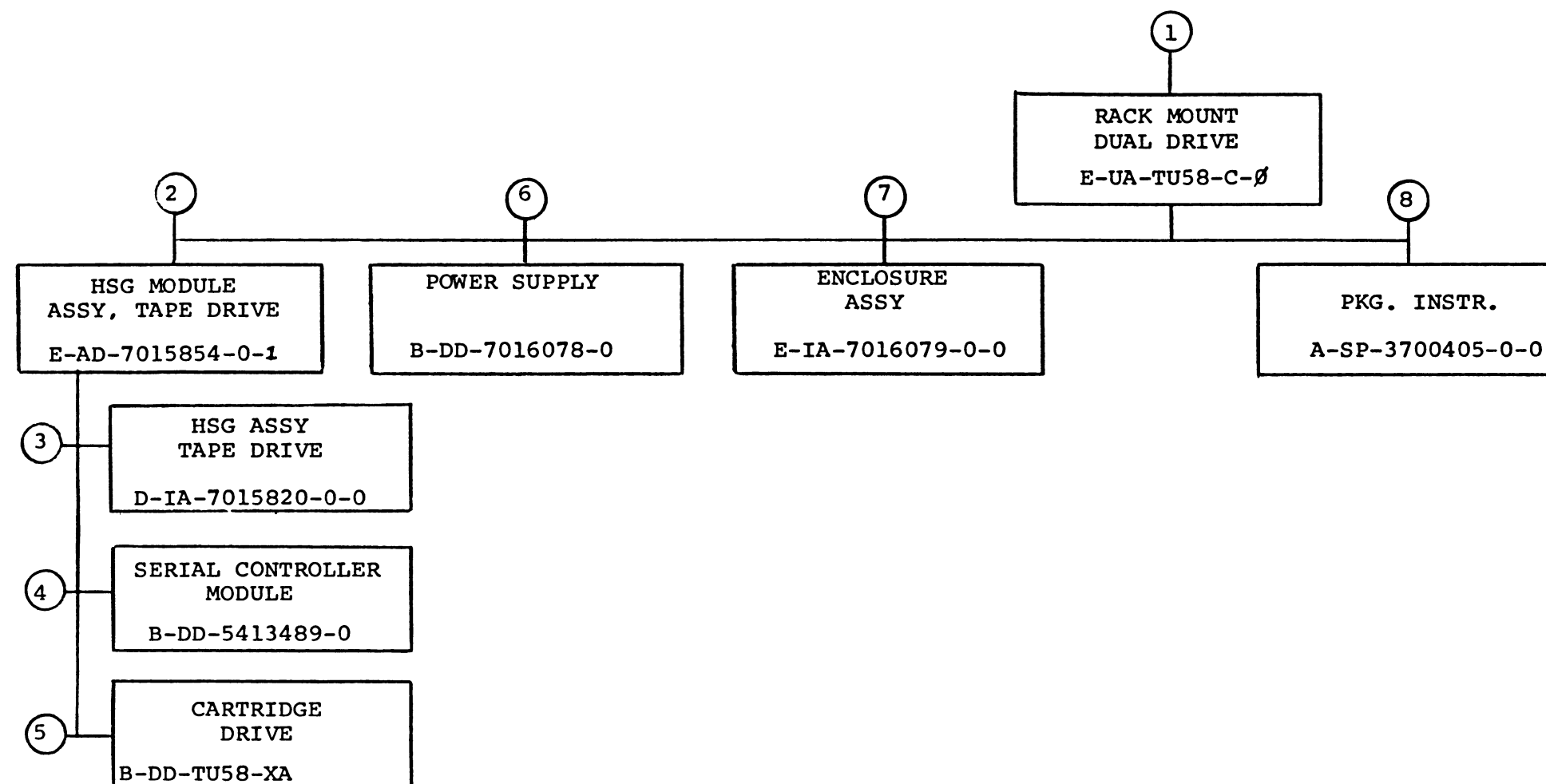
REFER TO: B-TC-TU58-C-1

UNIT VARIATIONS

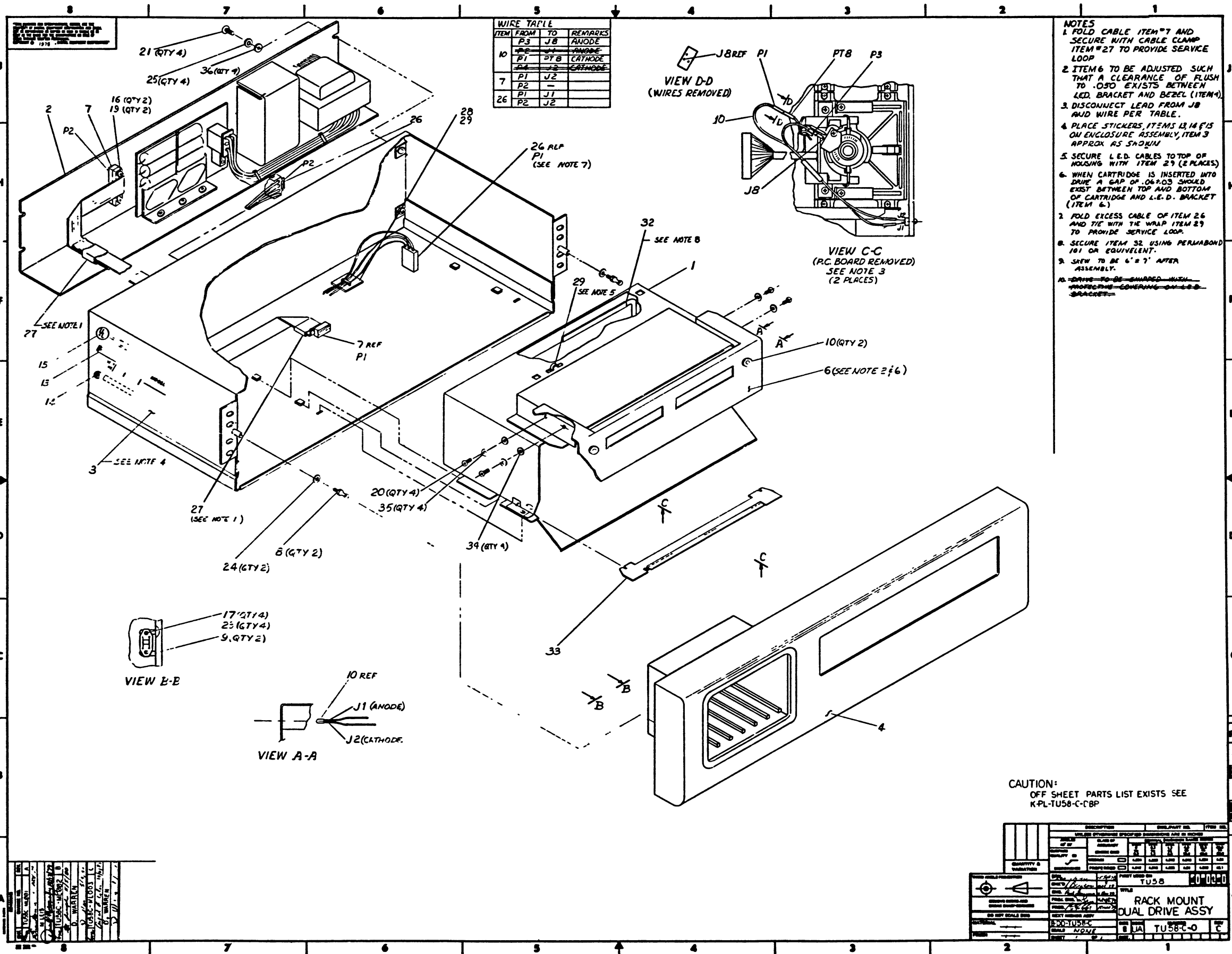
[illegible]

REVISIONS			USED ON OPTION/MODEL	DRN. C.	DATE	TITLE									
CHANGE NO.	REV.	GEISENHAINER		10/6/78	RACK MOUNT, DUAL DRIVE										
ML002	A			CHK'D.	DATE										
				<i>B. Bringham</i>	1 Nov 78										
			PROJ. ENG.	DATE											
			<i>Jim Lars</i>	16 Nov 79											
			PROD.	DATE											
			<i>R. G. G.</i>	12 Nov 79											
SHEET 1 OF 3															

SIZE	CODE	NUMBER						REV									
B	DD	TU58-C						A									
DIST.																	



TITLE	SHEET	SIZE	CODE	NUMBER	REV
RACK MOUNT, DUAL DRIVE	2 OF 3	B	DD	TU58-C	A



WIRE TABLE		
ITEM	FROM	TO
10	P3	J8 ANODE
	P1	J8 CATHODE
7	P1	J2
	P2	J1
26	P2	J2

- NOTES
1. FOLD CABLE ITEM 7 AND SECURE WITH CABLE CLAMP ITEM 27 TO PROVIDE SERVICE LOOP.
 2. ITEM 6 TO BE ADJUSTED SUCH THAT A CLEARANCE OF FLUSH TO .030 EXISTS BETWEEN LED BRACKET AND BEZEL (ITEM 4).
 3. DISCONNECT LEAD FROM J8 AND WIRE PER TABLE.
 4. PLACE STICKERS, ITEMS 13, 14 & 15 ON ENCLOSURE ASSEMBLY, ITEM 3 APPROX AS SHOWN.
 5. SECURE L.E.D. CABLES TO TOP OF HOUSING WITH ITEM 29 (2 PLACES).
 6. WHEN CARTRIDGE IS INSERTED INTO DRIVE A GAP OF .062-.03 SHOULD EXIST BETWEEN TOP AND BOTTOM OF CARTRIDGE AND L.E.D. BRACKET (ITEM 6).
 7. FOLD EXCESS CABLE OF ITEM 26 AND TIE WITH THE WRAP ITEM 29 TO PROVIDE SERVICE LOOP.
 8. SECURE ITEM 32 USING PERMABOND 101 OR EQUIVALENT.
 9. SKIN TO BE 6" x 7" AFTER ASSEMBLY.
 10. ~~SKIN TO BE SHARPED WITH PROTECTIVE COVERING ON L.E.D. BRACKET.~~

CAUTION:
OFF SHEET PARTS LIST EXISTS SEE
K-PL-TU58-C-0BP

ITEM	QTY	DESCRIPTION	REVISION
1	1	ENCLOSURE ASSEMBLY	1
2	1	BEZEL	1
3	1	ENCLOSURE ASSEMBLY	1
4	1	LED BRACKET	1
5	1	ENCLOSURE ASSEMBLY	1
6	1	LED BRACKET	1
7	1	ENCLOSURE ASSEMBLY	1
8	1	LED BRACKET	1
9	1	ENCLOSURE ASSEMBLY	1
10	1	LED BRACKET	1

QUANTITY & UNIT		DESCRIPTION		REVISION	
1	1	ENCLOSURE ASSEMBLY	1	1	1
2	1	BEZEL	1	1	1
3	1	ENCLOSURE ASSEMBLY	1	1	1
4	1	LED BRACKET	1	1	1
5	1	ENCLOSURE ASSEMBLY	1	1	1
6	1	LED BRACKET	1	1	1
7	1	ENCLOSURE ASSEMBLY	1	1	1
8	1	LED BRACKET	1	1	1
9	1	ENCLOSURE ASSEMBLY	1	1	1
10	1	LED BRACKET	1	1	1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					CA	CX
1	1	E-AD-7015854-C-0	7015854-01	HOUSING/MODULE ASSY TAPE DRIVE(W	1	1
2	2	D-AD-7016078-C-0	7016078-00	POWER SUPPLY ASSY	1	1
3	3	E-IA-7016079-C-0	7016079-00	ENCLOSURE ASSY	1	1
4	4	C-MD-7422486-C-0	7422486-00	BEZEL	1	1
5	5			BLANK	0	0
6	6	D-MD-7421487-C-0	7421487-00	BRACKET, LED	1	1
7	7	C-IA-7016305-C-0	7016305-1F	CABLE I/O	1	1
8	8		9008149-00	STUD, BALL, 6-32 X .155, .187 DI	2	2
9	9		9008487-00	RETAINER, BALL STUD	2	2
10	10		7017543-00	L.E.D. ASSY.	2	2
11	11	E-IA-7015525-C-0	7016525-00	*** THIS ITEM IS NOT USED ***	1	1
12	12			BLANK	0	0
13	13		3613209-00	LABEL, ELECTRICAL DATA	1	1
14	14		3613211-00	DECAL, CLEAR PREPRINTED CSA 1-1/4	1	1
15	15	A-DC-7416197-C-0	7416197-01	DECAL	1	1
16	16		9006557-00	NUT, KEP 4-40X 1/4 AF	2	2
17	17		9010036-00	SCREW, SLOTTED HEX. HEAD 4 X 5/1	4	4
18	18		9008301-01	SCREW, PAN, PHIL 4-40X 1/4 SS	4	4
19	19		9008033-01	SCREW, PAN, PHIL 4-40X 9/16 SS	2	2
20	20		9006020-01	SCREW, PAN, PHIL 6-32X 1/4 SS	4	4
21	21		9006039-03	SCREW, TRUS, PHIL, 8-32X 1/2	4	4
22	22		9006656-00	*** THIS ITEM IS NOT USED ***	1	1
23	23		9006632-00	WASHER, LOCK, INT, .2600D X .120ID	4	4
24	24		9006633-00	WASHER, LOCK, INT, .2800D X .146ID	2	2
25	25		9006634-00	WASHER, LOCK, INT, .2300D X .172ID	4	4
26	26	C-IA-7016527-C-0	7016527-1F	1FT. 6 IN. +-1.0 IN.	1	1
27	27		9009636-00	CLAMP, CABLE, FOR FLAT CABLE	2	2
28	28		9008264-00	MOUNT, CABLE TIE, ADHESIVE BACKE	A/R	A/R
29	29		9007031-00	TIE, CABLE BUNDL DIA 0- 3/4"=101	A/R	A/R
30	30	A-SP-3700405-C-0	3700405-00	INSTR PKG KIT OPTION TU58-CA	1	1

REVISION HISTORY			BASIC PART NO: OTU58			DIGITAL		
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	C.GEISENHAINER	DATE:	09-OCT-80	
DW	TU58C-ML003	C	SECTION. VARIATION INDEX	CHK'D:	D.BRIGHAM	DATE:	09-OCT-80	TITLE PARTS LIST
			[A] CA, CX					RACK MOUNT DUAL DRIVE ASSY
			[B]	DES.ENG.:	P.LORUSSO	DATE:	09-OCT-80	
			[C]					DOCUMENT NUMBER
			[D]	RESP.ENG.:	P.LORUSSO	DATE:	09-OCT-80	
			[E]					SIZE CODE NUMBER REV
			[F]	MFG.ENG.:	P.GIBBS	DATE:	09-OCT-80	K PL TU58-C-DBP C
				ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: EDIT #
				E-UA-TU58-C-0				Z1677C.PLS 3

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION"

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					CA	CK
31	31	B-PL-TU58-C-0		#SHIPPING LIST	1	1
32	32		9007035-00	GROMMET #122-37-1500	A/R	A/R
33	33	B-1A-7017424-0-0	7017424-00	RETAINING BAR ASSY.	1	1
34	34		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	4	4
35	35		9007801-00	WASHER, LOCK, S.S. #5	4	4
36	36		9006660-00	WASHER, FLAT, .375 O.D. X .157 I	4	4

D	I	G	I	T	A	L	TITLE	RACK MOUNT DUAL DRIVE ASSY	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	FL	TU58-C-DBP	C

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

* ITEMS 13-16 ARE MOUNTING HARDWARE TO BE BAGGED AND SHIPPED WITH UNIT.

MADE BY	D. MUTNANSKY
DATE	3/8/79

CHECKED *NR* 12-3-79
DATE

SECTION

ENG	Հանձնարար
DATE	16 Պրիլ 1979

PROD
DATE 149665 15 MAR '79

ISSUED SECTION

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION
1		1700083-02	LINE CORD 115 VAC
2		1700090-00	LINE CORD 23Ø VAC
3		23765A9-00	BOOT STRAP CHIP
4		9906228-00	SHIPPING BOX BOOT STRAP CHIP
5	D-UA-BC2ØY-Ø-Ø	BC2ØY-25	40 PIN TO 1Ø PIN DATA CABLE
6	D-UA-BC2ØZ-Ø-Ø	BC2ØZ-25	1Ø PIN TO 1Ø PIN DATA CABLE
7		9007207-00	FUSE .38 A 25Ø VAC SB
8		EK-ØTU58-UG-ØØ1	TU58 USER'S GUIDE (PAPER)
9		TU58-K	TU58 MEDIA (TAPE CARTRIDGE)
10		MPØØ747	TU58C FIELD MAINTENANCE PRINT
11		ZJ287-RG	TU58 DIAGNOSTIC KIT
12		* 9906077-03	BAG, COTTON, PARTS
13		* 9006073-03	SCREW, TRUSS HD, 10-32 X .50
14		* 9006636-00	WASHER, INTERNAL TOOTH. #10
15		* 9006664-00	WASHER, FLAT, #10
16		* 9007786-00	NUT, SELF-RETAINING, 10-32
17	C-MD-7423818-0-0	7423818-00	BRACKET, SUPPORT
18	C-MD-7423818-0-1	7423818-01	BRACKET, SUPPORT

TU58-CA

TU58-CX

REF DESIGNATION

E.C.O. NO
ML001
ML002

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT ©1979 DIGITAL EQUIPMENT CORPORATION"

TITLE

SHIPPING LIST

ASSY NO.	
----------	--

E-UA-TU58-C-Ø

SHEET 1 OF 1

SIZE	
------	--

B

CODE	
------	--

PL

NUMBER

TU58-C

REV.

B

INSERTION PARTS LIST DATA BASE REV

8

7

6

5

4

3

2

1

THIS DRAWING AND SPECIFICATIONS HEREBY ARE THE PROPERTY OF AERIAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF AERIAL EQUIPMENT CORPORATION © 1978

WIRE TABLE

ITEM NO	DESCRIPTION		FROM		TO		REMARKS
	AWG	COLOR	CONN	WITH	CONN	WITH	
6	18	BLU	P1-1	1 1/2 3	P2-1	2 1/2 4	+12V
7	18	BLK	P1-3	1 1/2 3	P2-2	2 1/2 4	
7	18	BLK	P1-6	1 1/2 3	P2-3	2 1/2 4	
8	18	RED	P1-5	1 1/2 3	P2-4	2 1/2 4	+5V

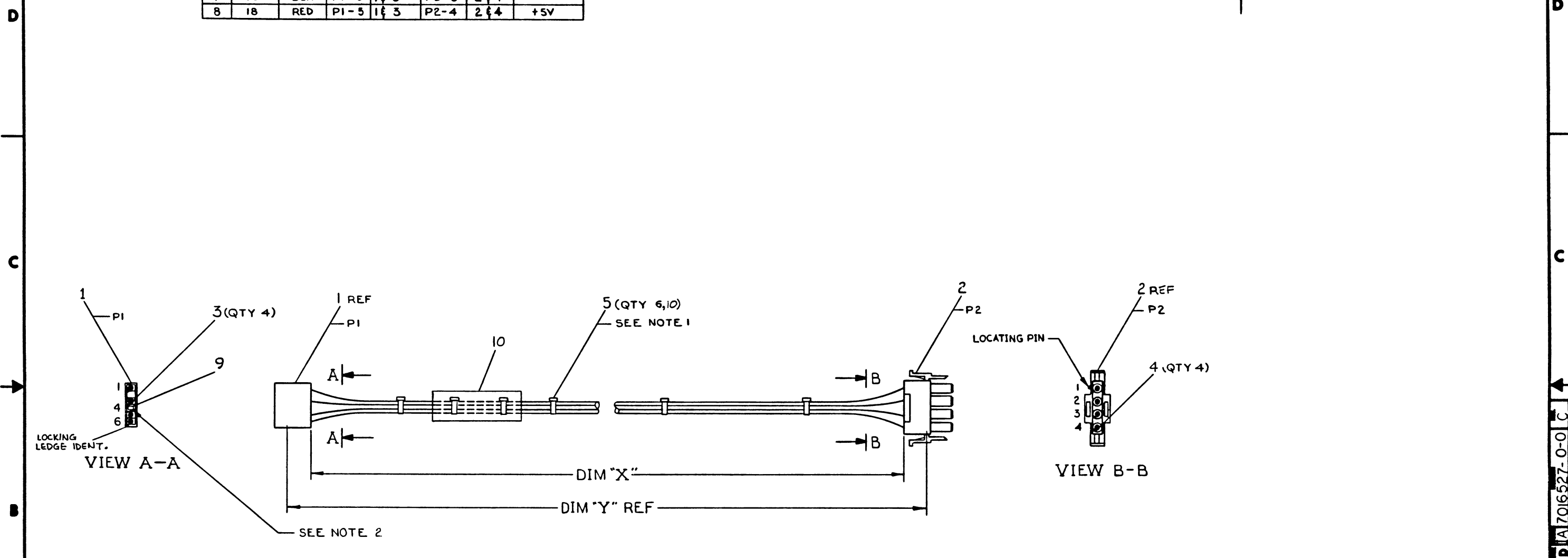
LEGEND

NUMBER	DIM "X" VARIATION	DIM "Y" (PRECUT) REF
7016527-02	2 FT - ± 1.0 IN	2 FT - 5 IN
7016527-01	1 FT - ± 1.0 IN	1 FT - 5 IN
7016527-1F	1 FT 6 IN ± 1.0 IN	1 FT - 11 IN

NOTES:

1. ATTACH CABLE TIE (ITEM 5) APPROXIMATELY EVERY 3" AS SHOWN.

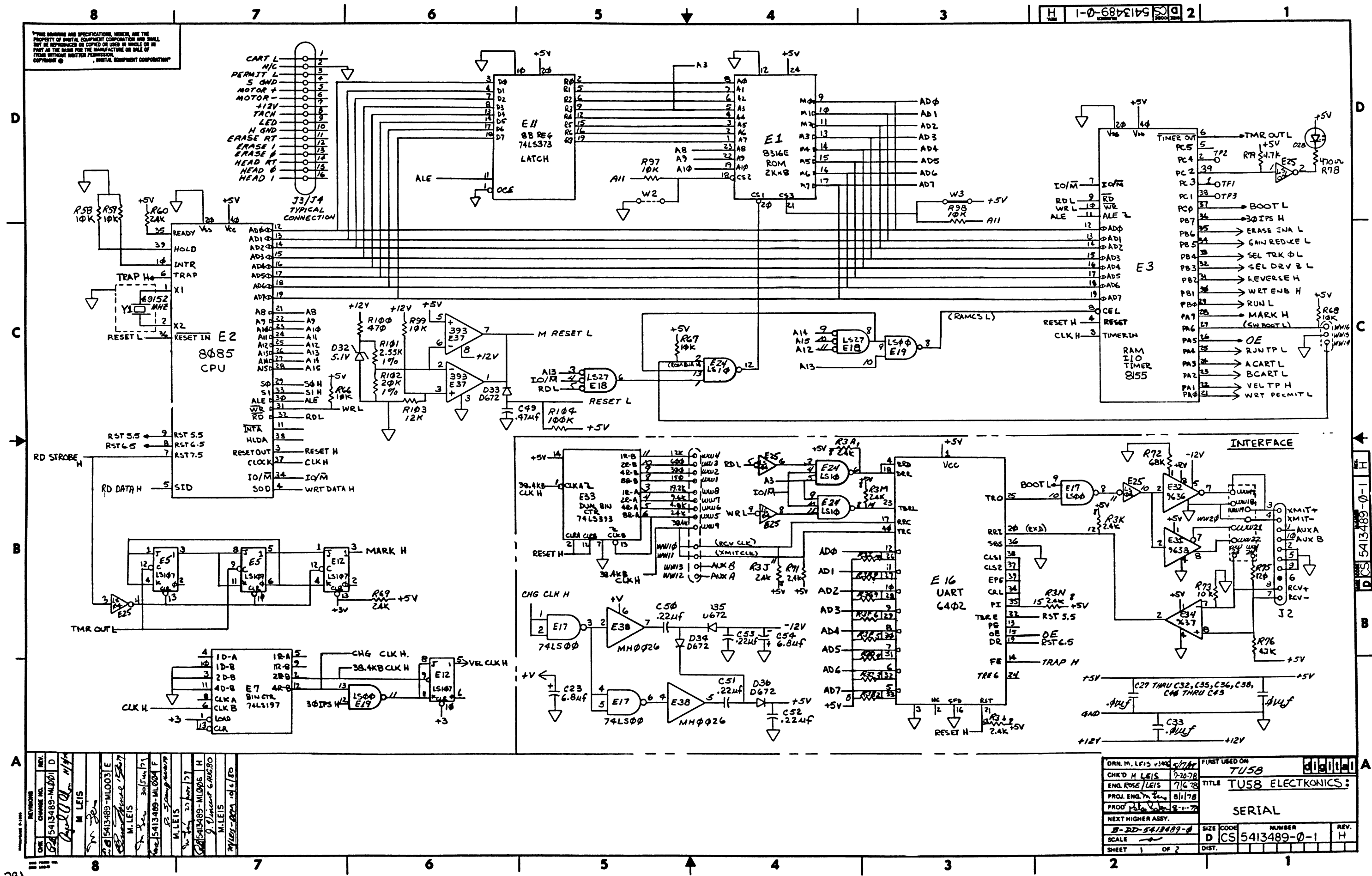
2. INSERT KEY PLUG (ITEM 9) INTO POSITION 4 FROM THIS END.



CAUTION OFF SHEETS PARTS LIST EXIST B-PL-7016527-0-0

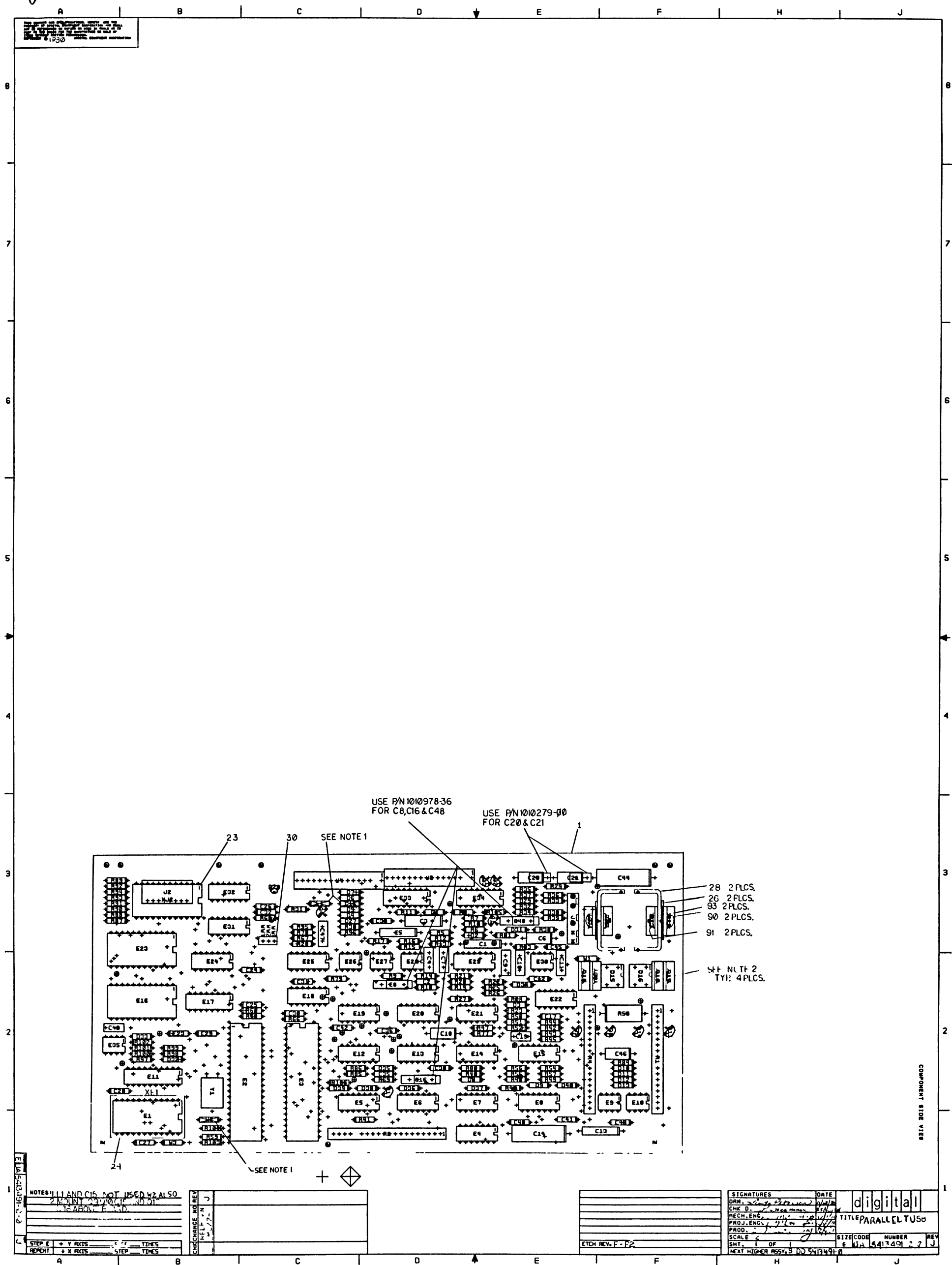
REV	DATE	BY	CHK	DESCRIPTION
1	10/13/78	C. BICKOFF		7016527-0-0
2	11/13/78	JIM WA. I.S.		7016527-0-0
3	11/13/78	D. WARREN		7016527-0-0

QUANTITY & VARIATION		DESCRIPTION		DWG. PART NO.		ITEM NO.	
THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CLASS OF ACCURACY		NOMINAL DIMENSION RANGE	
REMOVE BURRS AND BREAK SHARP CORNERS		SURFACE QUALITY		CHECK ONE		MICRONS	
DO NOT SCALE DWG		MEDIUM		PREFERRED		1.000 1.000 1.000 1.000 1.000 1.000	
MATERIAL SEE PARTS LIST		FINISH NONE		FIRST USED ON		TU58	
SCALE 1/1		SHEET 1 OF 1		TITLE		CABLE, TU58 SUPPLY OUTPUT	
DST.		REV.		NUMBER		REV.	
1		C		1		1	

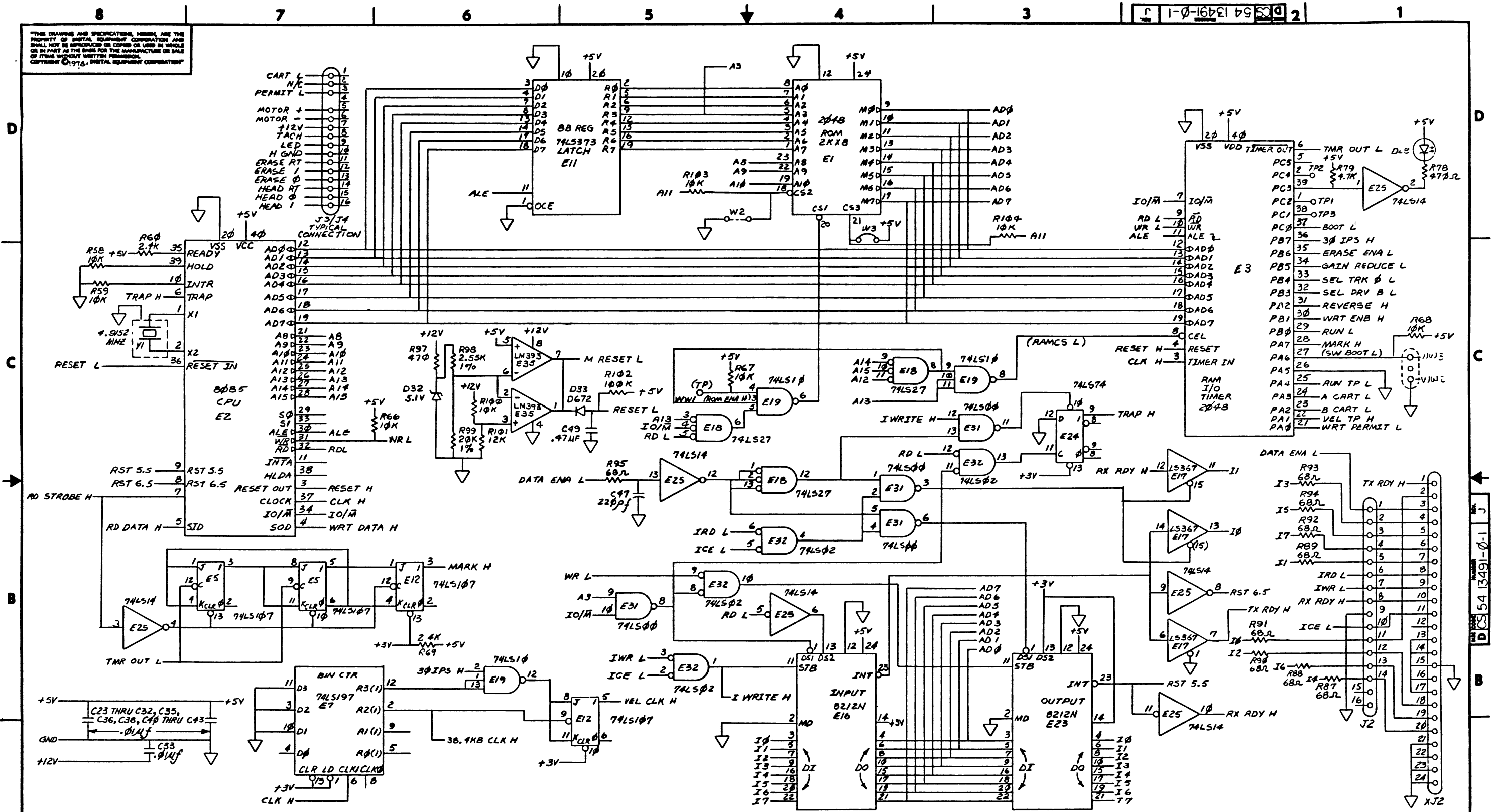


THIS AGREEMENT AND INSTRUMENTS HEREIN AND THE
HEREIN OF SOUTHERN SOUTHWEST CORPORATION AND SHALL
NOT BE CONSIDERED AS SUCH AS TO BE MADE IN FULL OF
THEY IN THE FULL OF THE CONTRACTED IN FULL OF
THEIR FULLY SETTING FORTH.

1930 SOUTHERN SOUTHWEST CORPORATION

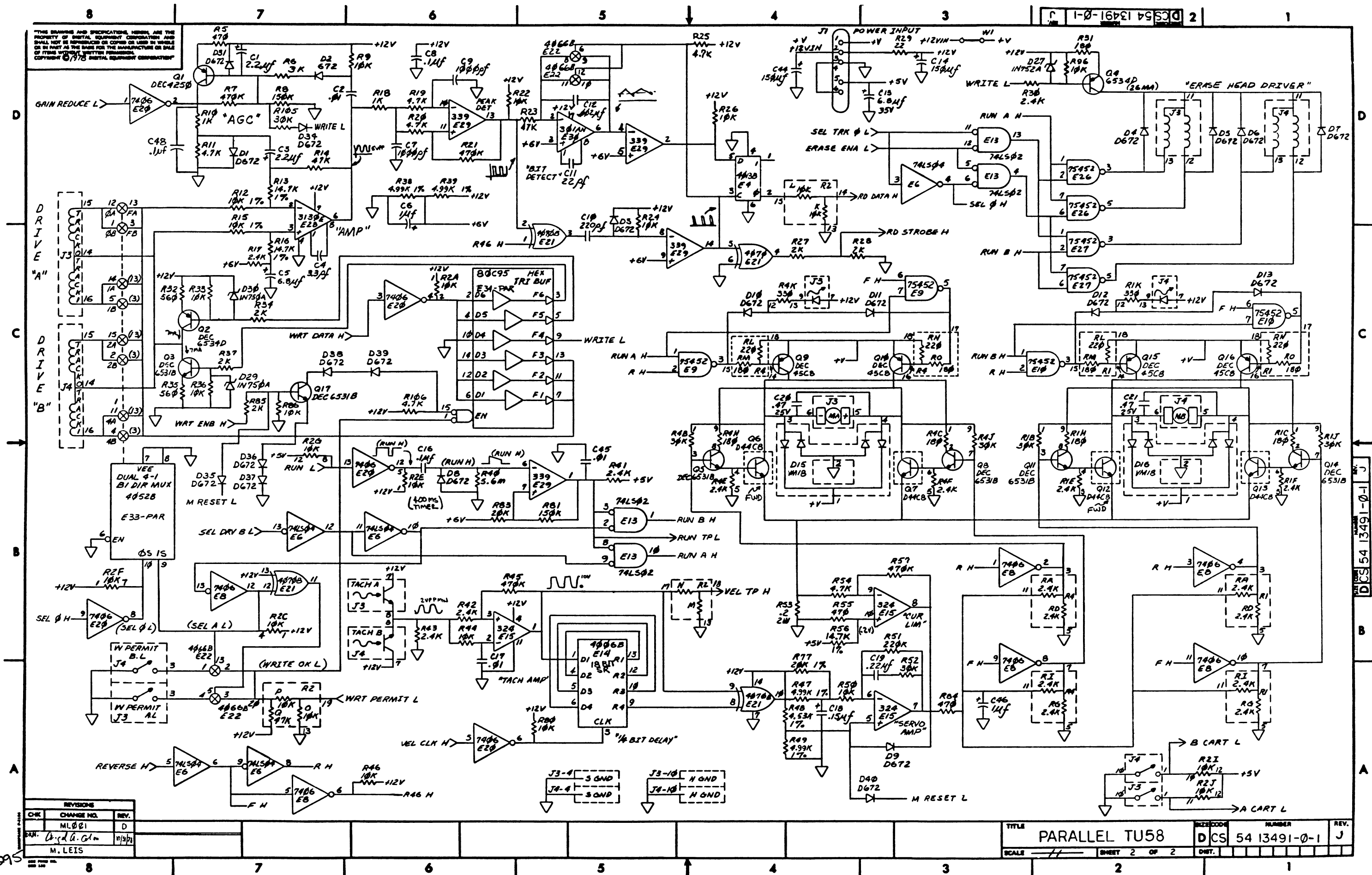


THE DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION



REV.	DATE	BY	CHK	APP
1	10-22-78	M. LEIS		
2	11-15-78	M. LEIS		
3	12-15-78	M. LEIS		
4	1-15-79	M. LEIS		
5	2-15-79	M. LEIS		
6	3-15-79	M. LEIS		
7	4-15-79	M. LEIS		
8	5-15-79	M. LEIS		
9	6-15-79	M. LEIS		
10	7-15-79	M. LEIS		
11	8-15-79	M. LEIS		
12	9-15-79	M. LEIS		
13	10-15-79	M. LEIS		
14	11-15-79	M. LEIS		
15	12-15-79	M. LEIS		
16	1-15-80	M. LEIS		
17	2-15-80	M. LEIS		
18	3-15-80	M. LEIS		
19	4-15-80	M. LEIS		
20	5-15-80	M. LEIS		
21	6-15-80	M. LEIS		
22	7-15-80	M. LEIS		
23	8-15-80	M. LEIS		
24	9-15-80	M. LEIS		
25	10-15-80	M. LEIS		
26	11-15-80	M. LEIS		
27	12-15-80	M. LEIS		
28	1-15-81	M. LEIS		
29	2-15-81	M. LEIS		
30	3-15-81	M. LEIS		
31	4-15-81	M. LEIS		
32	5-15-81	M. LEIS		
33	6-15-81	M. LEIS		
34	7-15-81	M. LEIS		
35	8-15-81	M. LEIS		
36	9-15-81	M. LEIS		
37	10-15-81	M. LEIS		
38	11-15-81	M. LEIS		
39	12-15-81	M. LEIS		
40	1-15-82	M. LEIS		
41	2-15-82	M. LEIS		
42	3-15-82	M. LEIS		
43	4-15-82	M. LEIS		
44	5-15-82	M. LEIS		
45	6-15-82	M. LEIS		
46	7-15-82	M. LEIS		
47	8-15-82	M. LEIS		
48	9-15-82	M. LEIS		
49	10-15-82	M. LEIS		
50	11-15-82	M. LEIS		
51	12-15-82	M. LEIS		
52	1-15-83	M. LEIS		
53	2-15-83	M. LEIS		
54	3-15-83	M. LEIS		
55	4-15-83	M. LEIS		
56	5-15-83	M. LEIS		
57	6-15-83	M. LEIS		
58	7-15-83	M. LEIS		
59	8-15-83	M. LEIS		
60	9-15-83	M. LEIS		
61	10-15-83	M. LEIS		
62	11-15-83	M. LEIS		
63	12-15-83	M. LEIS		
64	1-15-84	M. LEIS		
65	2-15-84	M. LEIS		
66	3-15-84	M. LEIS		
67	4-15-84	M. LEIS		
68	5-15-84	M. LEIS		
69	6-15-84	M. LEIS		
70	7-15-84	M. LEIS		
71	8-15-84	M. LEIS		
72	9-15-84	M. LEIS		
73	10-15-84	M. LEIS		
74	11-15-84	M. LEIS		
75	12-15-84	M. LEIS		
76	1-15-85	M. LEIS		
77	2-15-85	M. LEIS		
78	3-15-85	M. LEIS		
79	4-15-85	M. LEIS		
80	5-15-85	M. LEIS		
81	6-15-85	M. LEIS		
82	7-15-85	M. LEIS		
83	8-15-85	M. LEIS		
84	9-15-85	M. LEIS		
85	10-15-85	M. LEIS		
86	11-15-85	M. LEIS		
87	12-15-85	M. LEIS		
88	1-15-86	M. LEIS		
89	2-15-86	M. LEIS		
90	3-15-86	M. LEIS		
91	4-15-86	M. LEIS		
92	5-15-86	M. LEIS		
93	6-15-86	M. LEIS		
94	7-15-86	M. LEIS		
95	8-15-86	M. LEIS		
96	9-15-86	M. LEIS		
97	10-15-86	M. LEIS		
98	11-15-86	M. LEIS		
99	12-15-86	M. LEIS		
100	1-15-87	M. LEIS		

DATE	7/15/78	FINISH USED ON	TU58
CHK'D	M. LEIS	DATE	8/1/78
ENGR	ROSE	DATE	8/1/78
PROD. ENGR	200	DATE	8/1/78
PROD. ENGR	200	DATE	8/1/78
NEXT HIGHER ASSY.			
8-00-5413491-0		SIZE	CS
SCALE		CODE	54 13491-0-1
SHEET	1	OF	2
		DIST.	
		NUMBER	
		REV.	J



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1		5013488-00	TU58 ELECTRONIC SERIAL	1	
2	2		1215816-00	HEADER.100 15POS STRAIGHT	2	J3,J4
3	3		1000021-00	220.0 MMF 100V 5%200PPM MICA	1	C10
4	4		1000023-00	*** THIS ITEM IS NOT USED ***	-	
5	5		1010978-36	.1 MFD 50V 10% CER	3	C8,C16,C47
6	6		1000042-00	1000.0 MMF 100V 5%200PPM MICA	2	C9,C7
7	7		1001610-00	.01 MFD 50V +80-20% 25U CER	17	C2,C17,C27-C33,C35,C36,C38,C40, C41,C42,C43,C45
8	8		1001776-00	1 MFD 35V 10% S.TANT	2	C6,C46
9	9		1002315-00	2000.0 MMF 500V 5%200PPM MICA	1	C12
10	10		1013466-21	3.3 MMF 50V+- .5PF CER	1	C4
11	11		1002431-00	2.2MFD 35V 10% S.TANT	2	C1,C3
12	12		1005306-00	6.8MFD 35V 10% S.TANT	4	C5,C13,C23,C54
13	13		1005334-00	*** THIS ITEM IS NOT USED ***	-	
14	14		1005820-00	22.0 MMF 100V 5%200PPM MICA	1	C11
15	15		1010978-40	.22 MFD 50V 10% CER	1	C19
16	16		1011895-00	.15 MFD 35V 10% S.TANT	1	C18
17	17		1012312-00	*** THIS ITEM IS NOT USED ***	-	
18	18		1100101-00	*** THIS ITEM IS NOT USED ***	-	
19	19		1102808-00	1N 752A VZ= 5.6 5% .40W	1	D27
20	20		1105275-00	D 672 TR= 15NS PIV= 60V SI	25	D1-D13,D31,D33-D43
21	21		1110324-00	LED 1MCD@10MA PIV=3	1	D28
22	22		1115369-00	VM 18 PIV=100 I=1A	2	D15,D16
23	23		1213506-04	HEADER 10POS RT ANGLE W/3 SI	1	J2
24	24		1212385-04	SOCKET 24PIN IC	1	XE1
25	25	USED FOR Q7 & Q12	1213071-06	INSULATOR,RUBBER SILICONE	2	
26	26		1213113-01	*** THIS ITEM IS NOT USED ***	-	
27	27		1213418-01	HEAT SINK,VERTICLE MNT,ALUMINUM	2	
28	28		1300247-00	120.0 .25 W 5.0 % CC	1	R75
29	29		1300274-00	*** THIS ITEM IS NOT USED ***	-	

REVISION HISTORY			BASIC PART NO: 5413489			DRN: DAN MUTNANSKY			DATE: 22-MAY-78			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A											
---	INIT	C	SECTION.VARIATION INDEX			CHK'D: P. BOSSMAN			DATE: 6-JUNE-78			TITLE PARTS LIST		
PB	5413489-ML001	D	[A] 00									SERIAL TU58		
M.L	5413489-ML003	E	[B]											
ML	5413489-ML004	F	[C]			DES.ENG: MIKE LEIS			DATE: 22-MAY-78					
D.M	5413489-ML006	H	[D]											
			[E]									DOCUMENT NUMBER		
			[F]			RESP.ENG.: M. LEIS			DATE: 6-JUNE-78					
			[G]									SIZE CODE NUMBER REV		
			[J]											
			[K]			MFG.ENG.: P. BARTON			DATE: 6-JUNE-78			K PL 5413489-0-DBP H		
			[L]											
			[M]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME: EDIT #		
			[N]			E-UA-5413489-0-0			TU58			Z0582H.PLS 38		
*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION *														

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
30	30		1300314-00	470.0 .25 W 5.0 % CC	5		R5,R55,R100,R78,R84
31	31		1300345-00	1.0 K .25 W 5.0 % CC	2		R10,R18
32	32		1300295-00	*** THIS ITEM IS NOT USED ***	-		
33	33		1300447-00	4.70 K .25 W 5.0 % CC	8		R11,R19,R20,R25,R54,R79,R76,R105
34	34		1300479-00	10.0 K .25 W 5.0 % CC	21		R9,R22,R24,R26,R44,R46,R50,R58, R59,R66,R67,R68,R80,R33,R36,R96, R86,R73,R97-R99
						CONT	
						CONT	
35	35		1301322-00	180.0 .25 W 5.0 % CC	1		R31
36	36		1301327-00	68.0 K .25 W 5.0 % CC	1		R72
37	37		1300432-00	3.0 K .25 W 5.0 % CC	1		R6
38	38		1301969-00	22.0 .25 W 5.0 % CC	1		R29
39	39		1302092-00	220.0 K .25 W 5.0 % CC	1		R51
40	40		1302177-00	47.0 K .25 W 5.0 % CC	2		R14,R23
41	41		1302388-00	2.0 K .25 W 5.0 % CC	5		R27,R28,R34,R37,R85
42	42		1302391-00	20.0 K .25 W 5.0 % CC	1		R83
43	43		1302394-00	30.0 K .25 W 5.0 % CC	2		R52,R106
44	44		1302396-00	150.0 K .25 W 5.0 % CC	2		R8,R81
45	45		1302398-00	470.0 K .25 W 5.0 % CC	4		R7,R21,R45,R57
46	46		1302941-00	14.70 K .25 W 1.0 % RN55D-F10	3		R13,R16,R56
47	47		1303177-00	2.40 K .25 W 5.0 % CC	8		R17,R30,R41,R42,R43,R60,R69,R71
48	48		1303312-00	10.0 K .25 W 1.0 % RN55D-F10	2		R12,R15
49	49		1305324-00	4.99 K .25 W 1.0 % RN55D-F10	4		R38,R39,R47,R49
50	50		1309386-00	5.60 M .25 W 5.0 % CC	1		R40
51	51		1001610-01	*** THIS ITEM IS NOT USED ***	-		
52	52		1311466-00	.20 2.0 W 5.0 % WW	1		R53
53	53		1313596-00	20.0 K .25 W 1.0 % RN55D-F10	2		R77,R102
54	54		1315660-00	R NETWORK 16-10K 1-4.7K 20PIN	1		R2
55	55		1315661-00	R NETWORK MULTI-VALUE	2		R1,R4
56	56		1315662-00	R NETWORK 14-2.4K 10.0 % 15PIN	1		R3
57	57		1503409-00	DEC6534D PNP 310MW SI 40 90	2		Q2,Q4
58	58		1509142-00	DEC4250 PNP 200MW SI 40250	1		Q1
59	59		1509338-00	DEC6531B NPN 310MW SI 40 90 P	6		Q3,Q5,Q8,Q11,Q14,Q17
60	60		1510421-00	D 44C8 NPN 30WT SI 60 20	4		Q6,Q7,Q12,Q13
61	61		1510598-00	DEC45C8 PNP 27WT SI 60 20 Y	4		Q9,Q10,Q15,Q16
62	62		1812396-06	XTAL 4.9152 MHZ	1		Y1
63	63		1910282-00	301AN OP AMP	1		E30
64	64		1910645-00	75452 DRIVER,PERIPH,DUAL,	4		E9,E10,E26,E27
65	65		1910741-00	7406 INVERTER GATE-HEX 1I	1		E8
66	66		1911242-00	*** THIS ITEM IS NOT USED ***	-		
67	67		1912107-00	324 OP AMP,QUAD	1		E15
68	68		1912108-00	339 VOLT CMPRTR,QUAD	1		E29
69	69		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	2		E17,E19
70	70		1912801-00	LS02 NOR-GATE-QUAD 2IN	1		E13
71	71		1912803-00	774LS04 INVERTER GATE, HEX	2		E6,E25
72	72		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1		E24
73	73		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1		E18
74	74		1912832-00	LS107 FF-JK DUAL MASTER/SL	2		E5,E12
75	75		1912857-00	LS197 COUNTER,BINARY,PRESET	1		E7

! D ! I ! G ! I ! T ! A ! L !	! TITLE	! SECTION A OF A	! SIZE ! CODE !	! DOCUMENT NUMBER	! REV !
! ! ! ! ! ! ! !	SERIAL TU58	! ! ! ! ! ! ! !	! K ! PL !	5413489-0-DBP	! H !
! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !	! ! ! ! ! ! ! !

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
76	76		1914451-00	74LS393 COUNTER,BINARY,4BIT	1	E33
77	77		1914466-00	3130E OP AMP MOS/FET IN,CM	1	E28
78	78		1915219-00	LS373 FF-D OCTAL-TRANSFARE	1	E11
79	79		1915415-00	9636 DRIVER,DUAL,EIA RS-	1	E32
80	80		1915416-00	9637 RECEIVER,DUAL,RS-42	1	E34
81	81		1915417-00	9638 DRIVER,DUAL,EIA RS-	1	E31
82	82		2113605-00	4006B SHIFT REG,18 STAGE	1	E14
83	83		2113609-00	4013B FF-D DUAL W/SET/RESE	1	E4
84	84		2113630-00	4052B MULTIPLEXER 4CHAN DI	1	E35
85	85		2113632-00	4066B BILATERAL SWITCH-QUA	1	E22
86	86		2113634-00	4070B X-OR GATE-QUAD CMOS	1	E21
87	87		2113937-00	UART 125K BUAD	1	E16
88	88		2114663-00	MM 80C95 BUFFER-GATE-HEX TRIS	1	E36
89	89		2114963-00	UP,8-BIT NMOS	1	E2
90	90		2114964-00	RAM 2048 MOSJ-STATIC	1	E3
91	91		23089E2-00	E2-01	1	E1
92	92		1212619-07	HEADER.156 6POS STRAIGHT	1	J1
93	93		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W3
94	94	USED FOR Q7 & Q12	9010057-00	WASHER, INSULATING SHOULDER FOR	2	
95	95		1215816-01	HEADER.100 3POS STRAIGHT	1	
96	96		1215816-02	HEADER.100 13POS STRAIGHT	1	
97	97		1215816-03	HEADER.100 8POS STRAIGHT	1	
98	98		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	2	
99	99		9006557-00	NUT,KEP , 4-40X 1/4 AF	2	
100	100		1100124-00	1N 750A VZ= 4.7 5% .40W P	2	D29,D30
101	101		1301890-00	560.0 .25 W 5.0 % CC	2	R32,R35
102	102		1313840-00	4.53 K .25 W 1.0 % RN55D-F10	1	R48
103	103		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
104	104		1012084-03	150 MFD 15V +75-10% AL EL	2	C44,C14
105	105		9107256-11	*** THIS ITEM IS NOT USED ***	-	
106	106		1910741-01	7406N BUFFER,HEX	1	E20
107	107		5414232-00	*** THIS ITEM IS NOT USED ***	-	
108	108		1310633-00	2.55 K .25 W 1.0 % RN55D-F10	1	R101
109	109		1300488-00	12.0 K .25 W 5.0 % CC	1	R103
110	110		1302466-00	100.0 K .25 W 5.0 % CC	1	R104
111	111		1105871-00	1/4M5.1A21 = 5.1 1% .25W N	1	D32
112	112		1914156-00	LM 393 VOLT.COMPARATOR DUAL	1	E37
113	113		1912098-00	0026 DRIVER,MOS CLOCK,2	1	E38
114	114		1010274-01	.22 MFD 50V +80-20% Z5U CER	4	C50-C53
115	115		1010279-00	.47 MFD 25V 20% CER	3	C20,C21,C49

! D ! I ! G ! I ! T ! A ! L !	! TITLE	! SECTION A OF A	! SIZE ! CODE !	! DOCUMENT NUMBER	! REV !
! ! ! ! ! ! ! !	SERIAL TUS8	! ! ! ! ! ! ! !	! K ! PL !	5413489-0-DBP	! H !
! ! ! ! ! ! ! !		! ! ! ! ! ! ! !	! ! ! ! ! ! ! !		

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
1	1		5013490-00	TU58 ELECTRONICS PARALLEL	1		
2	2		1000021-00	220.0 MMF 100V 5%200PPM MICA	2		C10,C47
3	4		1010978-36	.1 MFD 50V 10% CER	3		C8,C16,C48
4	5		1000042-00	1000.0 MMF 100V 5%200PPM MICA	2		C9,C7
5	6		1001610-00	.01 MFD 50V +80-20% 25U CER	21	CONT	C2,C17,C23-C33,C35,C36,C38, C40-C43,C45
6	7		1001776-00	1 MFD 35V 10% S.TANT	2		C5,C46
7	8		1002315-00	2000.0 MMF 500V 5%200PPM MICA	1		C12
8	9		1013466-21	3.3 MMF 50V+- .5PF CER	1		C4
9	10		1002431-00	2.2MFD 35V 10% S.TANT	2		C1,C3
10	11		1005306-00	6.8MFD 35V 10% S.TANT	2		C5,C13
11	13		1005820-00	22.0 MMF 100V 5%200PPM MICA	1		C11
12	14		1010978-40	.22 MFD 50V 10% CER	1		C19
13	15		1011895-00	.15 MFD 35V 10% S.TANT	1		C18
14	16		1012084-03	150 MFD 15V +75-10% AL EL	2		C44,C14
15	17		1012312-00	.47 MFD 50V +80-20% CER	2		C20,C21
16	18		1100124-00	1N 750A VZ= 4.7 5% .40W P	2		D29,D30
17	19		1102808-00	1N 752A VZ= 5.6 5% .40W	1		D27
18	20		1105275-00	D 672 TR= 15NS PIV= 60V SI	14		D1-D13,D31
19	21		1110324-00	LED 1MCD@10MA PIV=3	1		D28
20	22		1115369-00	VM 18 PIV=100 I=1A	2		D15,D16
21	23		1216106-00	SOCKET 32PIN	1		J2
22	24		1212385-04	SOCKET 24PIN IC	1		XE1
23	25		1212619-07	HEADER.156 6POS STRAIGHT	1		J1
24	26		1213071-06	INSULATOR,RUBBER SILICONE	2		
25	28		1213418-01	HEAT SINK,VERTICLE MNT,ALUMINUM	2		
26	29		1215816-00	HEADER.100 15POS STRAIGHT	2		J3,J4
27	30		1215816-01	HEADER.100 3POS STRAIGHT	1		
28	31		1300219-00	.68.0 .25 W 5.0 % CC	9		R87-R95
29	32		1300316-00	470.0 .25 W 5.0 % CC	4		R5,R55,R78,R84

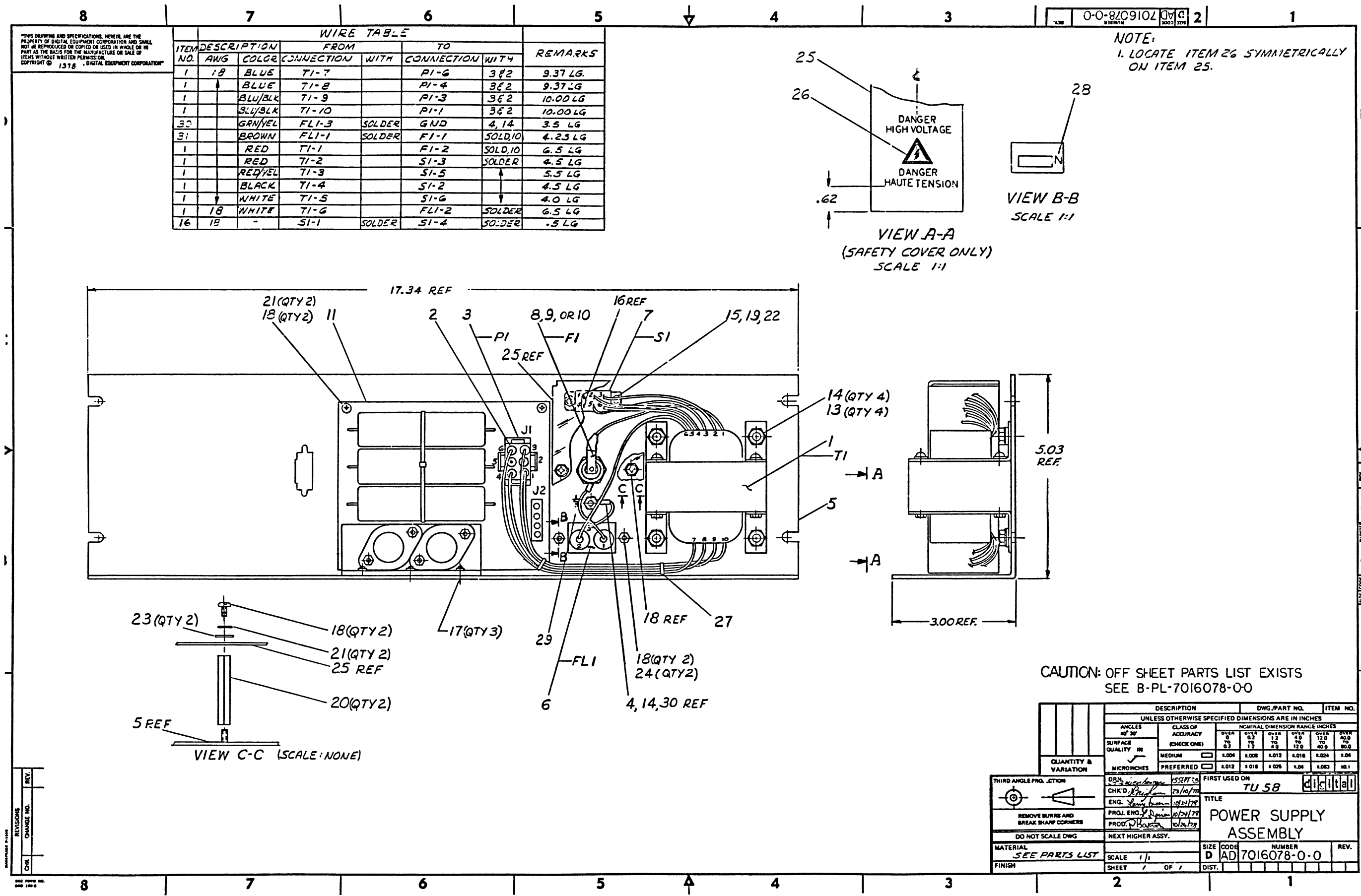
REVISION HISTORY			BASIC PART NO: 5413491			DRN: D.MUTNANSKY			DATE: 14-JUL-78			D I G I T A L											
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: D. MUTNANSKY			DATE: 08-AUG-78			TITLE PARTS LIST											
---	INIT	C	SECTION VARIATION INDEX			DES.ENG: M. LEIS			DATE: 08-AUG-78			PARALLEL TU58											
PB	MLO01	D	[A]	00		RESP.ENG.: M.LEIS			DATE: 14-JUL-78			DOCUMENT NUMBER											
M.L	MLO02	E	[B]			MFG.ENG.: P. BARTON			DATE: 08-AUG-78			K			PL			5413491-0-DBP			H		
ML	5413491-MLO03	F	[C]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:						FILE NAME:			EDIT #					
ML	5413491-MLO05	H	[D]			D-UA-5413491-0-0			TU58						Z0583H.PLS			30					
			[E]																				
			[F]																				
			[H]																				
			[J]																				
			[K]																				
			[L]																				
			[M]																				
			[N]																				
"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION"																							

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
30	33		1300365-00	1.0 K .25 W 5.0 % CC	2		R10,R18
31	35		1300447-00	4.70 K .25 W 5.0 % CC	8		R11,R19,R20,R25,R54,R79,R85,R86
32	36		1300479-00	10.0 K .25 W 5.0 % CC	16		R9,R22,R24,R26,R44,R46,R50,R56, R59,R66-R68,R80,R33,R36,R96
						CONT	
33	37		1301322-00	180.0 .25 W 5.0 % CC	1		R31
34	38		1300432-00	3.0 K .25 W 5.0 % CC	1		R6
35	39		1301890-00	560.0 .25 W 5.0 % CC	2		R32,R35
36	40		1301969-00	22.0 .25 W 5.0 % CC	1		R29
37	41		1302092-00	220.0 K .25 W 5.0 % CC	1		R51
38	42		1302177-00	47.0 K .25 W 5.0 % CC	2		R14,R23
39	43		1302388-00	2.0 K .25 W 5.0 % CC	4		R27,R28,R34,R37
40	44		1302391-00	20.0 K .25 W 5.0 % CC	1		R83
41	45		1302394-00	30.0 K .25 W 5.0 % CC	1		R52
42	46		1302396-00	150.0 K .25 W 5.0 % CC	2		R8,R31
43	47		1302398-00	470.0 K .25 W 5.0 % CC	4		R7,R21,R45,R57
44	48		1302941-00	14.70 K .25 W 1.0 % RN55D-F10	3		R13,R16,R56
45	49		1303177-00	2.40 K .25 W 5.0 % CC	7		R17,R30,R41-R43,R60,R69
46	50		1303312-00	10.0 K .25 W 1.0 % RN55D-F10	2		R12,R15
47	51		1305324-00	4.99 K .25 W 1.0 % RN55D-F10	4		R38,R39,R47,R49
48	52		1309386-00	5.60 M .25 W 5.0 % CC	1		R40
49	53		1311466-00	.20 2.0 W 5.0 % WW	1		R53
50	54		1313596-00	20.0 K .25 W 1.0 % RN55D-F10	1		R77
51	55		1313840-00	4.53 K .25 W 1.0 % RN55D-F10	1		R48
52	56		1315660-00	R NETWORK 16-10K 1-4.7K 20PIN	1		R2
53	57		1315661-00	R NETWORK MULTI-VALUE	2		R1,R4
54	58		1503409-00	DEC6534D PNP 310MW SI 40 90	2		Q2,Q4
55	59		1509142-00	DEC4250 PNP 200MW SI 40250	1		Q1
56	60		1509338-00	DEC6531B NPN 310MW SI 40 90 P	6		Q3,Q5,Q8,Q11,Q14,Q17
57	61		1510421-00	D 44C8 NPN 30WT SI 60 20	4		Q6,Q7,Q12,Q13
58	62		1510598-00	DEC45C8 PNP 27WT SI 60 20 Y	4		Q9,Q10,Q15,Q16
59	63		1812396-06	XTAL 4.9152 MHZ	1		Y1
60	64		1910282-00	301AN OP AMP	1		E30
61	65		1910645-00	75452 DRIVER,PERIPH,DUAL	4		E9,E10,E26,E27
62	66		1910741-00	7406 INVERTER GATE-HEX 11	1		E8
63	67		1912107-00	324 OP AMP,QUAD	1		E15
64	68		1912108-00	339 VOLT CMPRTR,QUAD	1		E29
65	69		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	2		E19,E31
66	70		1912801-00	LS02 NOR-GATE-QUAD 2IN	2		E13,E32
67	71		1912803-00	74LS04 INVERTER GATE,HEX	1		E6
68	72		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1		E18
69	73		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	1		E24
70	74		1912832-00	LS107 FF-JK DUAL MASTER/SL	2		E5,E12
71	75		1913414-00	LS14 INVERTER GATE-HEX SC	1		E25
72	76		1912857-00	LS197 COUNTER,BINARY,PRESET	1		E7
73	77		1913471-00	LS367 DRIVER,BUS,HEX,TRI-	1		E17
74	78		1913667-00	DP 8212N BUFFER 8 BIT TRISTA	2		E16,E23
75	79		1914466-00	3130E OP AMP MOS/FET IN,CM	1		E28
76	80		1915219-00	LS373 FF-D OCTAL-TRANSPARE	1		E11

D	I	G	I	T	A	L	TITLE	PARALLEL TU58	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413491-0-DBP	H

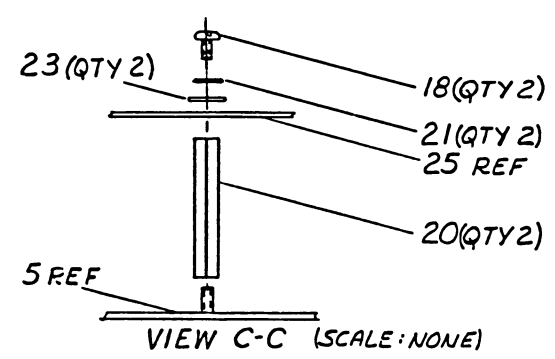
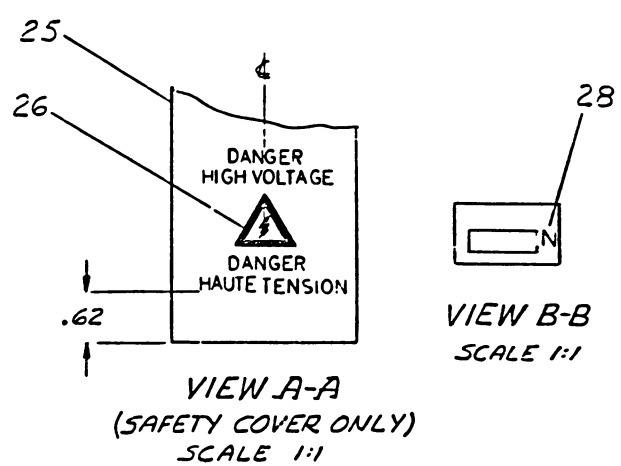
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
77	81		2113605-00	4006B SHIFT REG,18 STAGE	1	E14
78	82		2113609-00	4013B FF-D DUAL W/SET/RESE	1	E4
79	83		2113630-00	4052B MULTIPLEXER 4CHAN DI	1	E33
80	84		2113632-00	4066B BILATERAL SWITCH-QUA	1	E22
81	85		2113634-00	4070B X-OR GATE-QUAD CMOS	1	E21
82	86		2114663-00	MM 80C95 BUFFER-GATE-HEX TRIS	1	E34
83	87		2114963-00	UP,8-BIT NMOS	1	E2
94	88		2114964-00	RAM 2048 MOSJ-STATIC	1	E3
85	89		23078E2-00	E2-01	1	E1
86	90		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	2	
87	91		9006557-00	NUT,KEP 4-40X 1/4 AF	2	
88	92		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	4	W1-W4
89	93		9010057-00	WASHER, INSULATING SHOULDER FOR	2	
90	101		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
91	102		5414232-YA	TU58 POWER RESET PARRELL	1	
92	103		1910741-01	7406N BUFFER,HEX	1	E20

D	I	G	I	T	A	L	TITLE	PARALLEL TU58	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413491-0-DBP	H



WIRE TABLE						
ITEM NO.	DESCRIPTION	FROM	TO	REMARKS		
NO.	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH
1	18	BLUE	TI-7		PI-6	3#2
1		BLUE	TI-8		PI-4	3#2
1		BLU/BLK	TI-9		PI-3	3#2
1		BLU/BLK	TI-10		PI-1	3#2
30		GRN/YEL	FLI-3	SOLDER	GND	4, 14
31		BROWN	FLI-1	SOLDER	F1-1	SOLD, 10
1		RED	TI-1		F1-2	SOLD, 10
1		RED	TI-2		S1-3	SOLDER
1		RED/YEL	TI-3		S1-5	
1		BLACK	TI-4		S1-2	
1		WHITE	TI-5		S1-6	
1	18	WHITE	TI-6		FLI-2	SOLDER
16	18	-	S1-1	SOLDER	S1-4	SOLDER

NOTE:
1. LOCATE ITEM 26 SYMMETRICALLY ON ITEM 25.



CAUTION: OFF SHEET PARTS LIST EXISTS
SEE B-PL-7016078-00

DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES 20° 30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
SURFACE QUALITY	(CHECK ONE)	OVER 0 TO 0.2
MEDIUM	☒	0.2 TO 0.4
PREFERRED	☐	0.4 TO 0.6
QUANTITY & VARIATION	☐	0.6 TO 0.8
THIRD ANGLE PROJECTION	☐	0.8 TO 1.0
REMOVE BURRS AND BREAK SHARP CORNERS	☐	1.0 TO 1.2
DO NOT SCALE DWG	☐	1.2 TO 1.4
MATERIAL SEE PARTS LIST	☐	1.4 TO 1.6
FINISH	☐	1.6 TO 1.8
DRN. <i>[Signature]</i> 15/11/78	FIRST USED ON	TU 58
CHK'D. <i>[Signature]</i> 23/10/78	TITLE	POWER SUPPLY ASSEMBLY
ENG. <i>[Signature]</i> 18/11/78	SIZE	CODE
PROJ. ENG. <i>[Signature]</i> 10/24/78	NUMBER	AD7016078-0-0
PROD. <i>[Signature]</i> 10/24/78	REV.	
NEXT HIGHER ASSY.	DIST.	
SCALE 1:1	SHEET 1 OF 1	

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY <i>C. Gusev</i> DATE <i>23-10-78</i>		CHECKED <i>B. Barton</i> DATE <i>23-10-78</i>		SECTION 1															
ENG <i>LARRY DOIRON</i> DATE <i>23-10-78</i>		PROD <i>P. BARTON</i> DATE <i>23-10-78</i>		ISSUED SECTION 1															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF DESIGNATION		
1	E-IA-7421484-0-0	1616062-00	TRANSFORMER, POWER	1															
2		1212170-00	CONTACT FEMALE (SOCKET)	6															
3		1212167-06	CONNECTOR, PLUG, 6 PIN	1															
4		9007930-00	RING TERMINAL RED #10	1															
5		7421484-00	COVER, PWR. SUPPLY MTG.	1															
6		1215905-00	POWER RECEPTACLE AND LINE FILTER	1															
7		1215340-01	DPDT SWITCH (115-230V)	1															
8		1212893-00	FUSE HOLDER (20A-300V)	1															
9		1211237-00	FUSE, .750A, 250V, SLO BLOW	1															
10	D-UA-5413609-0-0	9107305-02	TUBING, SHRINK (RED)	A/R															
11		5413609-00	REGULATOR BOARD	1															
12																			
13		9006661-00	WASHER, FLAT #8	4															
14		9006563-00	NUT, KEP 8-32	5															
15		9006010-01	SCREW, PAN, PHIL, 4-40 X 5/16	2															
16		9107560-03	WIRE, BUSS #18 AWG	A/R															
17		9006022-02	SCREW, FLAT, PHIL, 6-32 X 3/8	3															
18		9006022-01	SCREW, PAN, PHIL, 6-32 X 3/8	6															
19		9009280-00	NUT, HEX 4-40	2															
20		9007604-00	SPACER, HEX, ALUM. 6-32, .250X2.000 LG	2															
21		9007649-00	WASHER, LOCK EXTERNAL TOOTH #6	4															
ECO. NO.																			
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT ©1978 DIGITAL EQUIPMENT CORPORATION"				TITLE POWER SUPPLY ASSY				ASSY NO. D-AD-7016078-0-0				SIZE B	CODE PL	NUMBER 7016078-0-0		REV.			
								SHEET 1 OF 2				INSERTION PARTS LIST DATA BASE: REV							

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

MADE BY *CC-Corbin*
DATE *23-10-78*

CHECKED *Brigance*
DATE *23-10-78*

SECTION	1
---------	---

ENG LARRY DOIRON
DATE 23-10-78

PROD	P BARTON
DATE	23-10-78 AB

ISSUED SECTION 1	
---------------------	--

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION
----------	-------------	----------	-------------

REF DESIGNATION

22		9006632-00	WASHER, LOCK, INT. #4
23		9006659-00	WASHER, FL.T, #6
24		9006560-00	NUT, KEP 6-32
25	B-MD-7422054-0-0	7422054-00	COVER, SAFETY
26		3616053-00	DECAL, HIGH VOLTAGE
27		9007031-00	TIE, CABLE
28		3615998-00	NEUTRAL, STICKER
29		3612680-01	GROUND STICKER
30		9107410-54	WIRE, STRD., #18 AWG, GRN/YEL
31		9107360-11	WIRE, STRD., #18 AWG BROWN

2	
2	
1	
1	
1	
2	
1	
1	
A/R	
A/R	

E.C.O. NO.

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION"

TITLE

POWER SUPPLY ASSY

ASSY NO.

D-AD-7016078-0-0

SHEET 2 OF 2

SIZE	
------	--

B

CODE	DESCRIPTION	AMOUNT	DATE
100	...	...	...
101	...	...	...
102	...	...	...
103	...	...	...
104	...	...	...
105	...	...	...
106	...	...	...
107	...	...	...
108	...	...	...
109	...	...	...
110	...	...	...
111	...	...	...
112	...	...	...
113	...	...	...
114	...	...	...
115	...	...	...
116	...	...	...
117	...	...	...
118	...	...	...
119	...	...	...
120	...	...	...
121	...	...	...
122	...	...	...
123	...	...	...
124	...	...	...
125	...	...	...
126	...	...	...
127	...	...	...
128	...	...	...
129	...	...	...
130	...	...	...
131	...	...	...
132	...	...	...
133	...	...	...
134	...	...	...
135	...	...	...
136	...	...	...
137	...	...	...
138	...	...	...
139	...	...	...
140	...	...	...
141	...	...	...
142	...	...	...
143	...	...	...
144	...	...	...
145	...	...	...
146	...	...	...
147	...	...	...
148	...	...	...
149	...	...	...
150	...	...	...
151	...	...	...
152	...	...	...
153	...	...	...
154	...	...	...
155	...	...	...
156	...	...	...
157	...	...	...
158	...	...	...
159	...	...	...
160	...	...	...
161	...	...	...
162	...	...	...
163	...	...	...
164	...	...	...
165	...	...	...
166	...	...	...
167	...	...	...
168	...	...	...
169	...	...	...
170	...	...	...
171	...	...	...
172	...	...	...
173	...	...	...
174	...	...	...
175	...	...	...
176	...	...	...
177	...	...	...
178	...	...	...
179	...	...	...
180	...	...	...
181	...	...	...
182	...	...	...
183	...	...	...
184	...	...	...
185	...	...	...
186	...	...	...
187	...	...	...
188	...	...	...
189	...	...	...
190	...	...	...
191	...	...	...
192	...	...	...
193	...	...	...
194	...	...	...
195	...	...	...
196	...	...	...
197	...	...	...
198	...	...	...
199	...	...	...
200	...	...	...
201	...	...	...
202	...	...	...
203	...	...	...
204	...	...	...
205	...	...	...
206	...	...	...
207	...	...	...
208	...	...	...
209	...	...	...
210	...	...	...
211	...	...	...
212	...	...	...
213	...	...	...
214	...	...	...
215	...	...	...
216	...	...	...
217	...	...	...
218	...	...	...

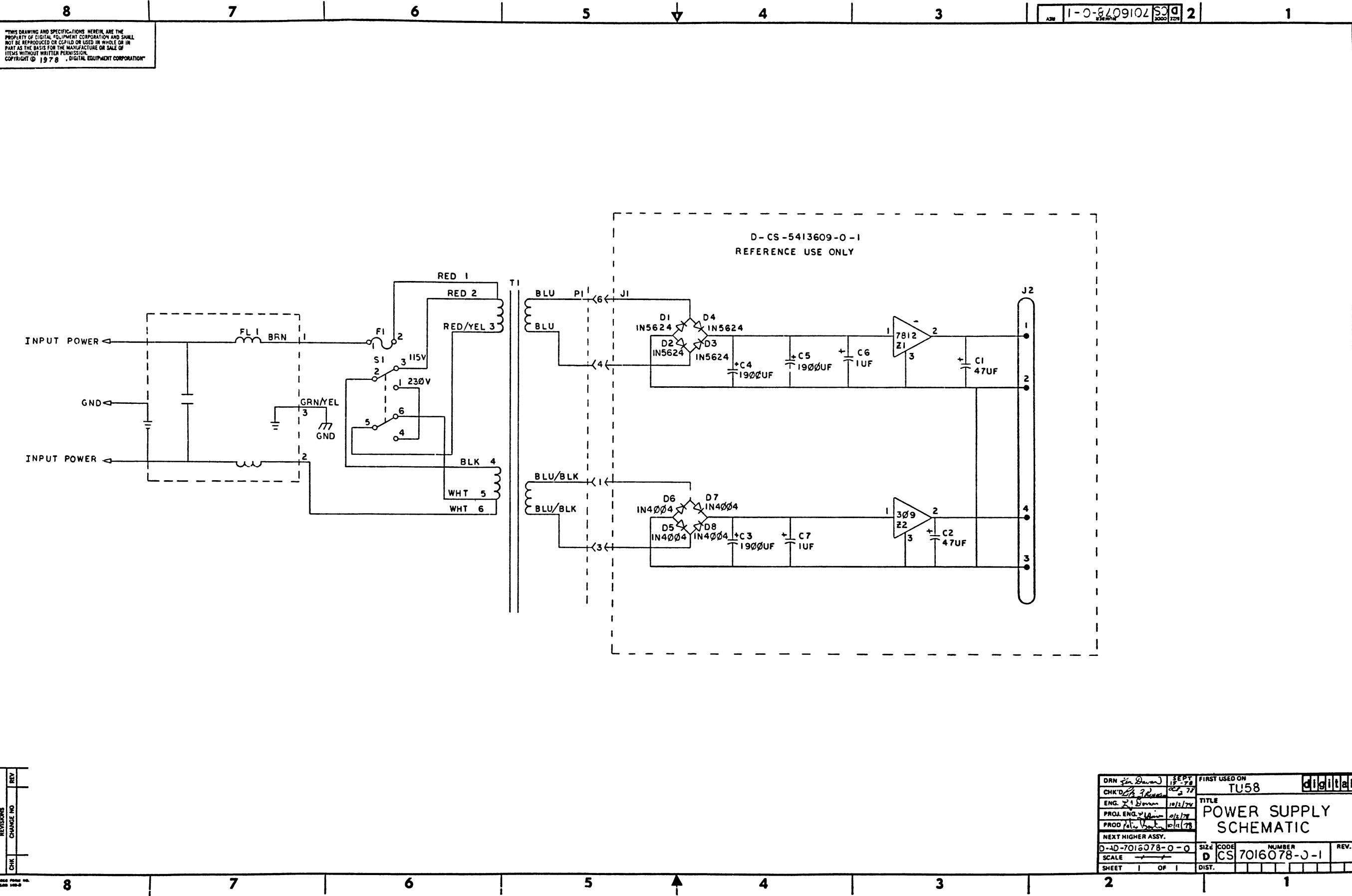
PL

NUMBER

7016078-0-0

REV.

INSERT!ON PARTS LIST DATA BASE REV



"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION"

DRN <i>Jim Brown</i>	SEPT 1978	FIRST USED ON	TU58	<i>digital</i>
CHK'D <i>Jim Brown</i>	SEP 78	TITLE	POWER SUPPLY	
ENG. <i>Jim Brown</i>	10/1/78	SCHEMATIC		
PROJ. ENG. <i>Jim Brown</i>	10/1/78			
PROD. <i>Jim Brown</i>	10/1/78			
NEXT HIGHER ASSY.				
D-3D-7016078-0-0	SIZE D	CODE CS	NUMBER 7016078-0-1	REV.
SCALE				
SHEET 1 OF 1	DIST.			

305

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION XA
1	1	D-AD-7015510-0-0	7015510-00	CARTRIDGE DRIVE	1
2	2	A-PS-3700385-0-0	3700385-00	INSTR PKG TAPE DRIVE TU58-XA	1
3	3		9906077-03	BAG, COTTON, PARTS	1
4	4	B-MD-7424084-0-0	7424084-00	SCREW, SHOULDER	4
5	5	A-PS-1217653-0-0	1217653-00	SPRING, COMPRESSION .234 OD X .3	4
6	6	B-MD-7424101-0-0	7424101-00	WASHER	4
7	7	EK-OTU58-WS		MOUNTING INSTRUCTIONS	1
8	8	A-PS-3617416-0-0	3617416-00	LABEL, HEAD CLEANING ADVICE FOR T	1

9 NOTE: ITEMS 4-7 ARE MOUNTING HARDWARE TO BAGGED AND SHIPPED WITH UNIT

REVISION HISTORY			BASIC PART NO: OTU58		DRN: G.MARINI		DATE: 9-20-78		D I G I T A L				
ENG!	ECO NUMBER	REV	SECTION A OF A		CHK'D: T.ANDREWS		DATE: 12-5-78		TITLE PARTS LIST				
D.W.	TU58XA-ML003	A	SECTION. VARIATION INDEX		DES.ENG.: P.WAYNE		DATE: 2-2-79		DRIVE MECHANISM (TU58-XA)				
DW	TU58XA-ML004	B	[A] XA		RESP.ENG.: P.WAYNE		DATE: 12-5-80		DOCUMENT NUMBER				
DW	TU58XA-ML004	B	[B]		MFG.ENG.: R.TAYLOR		DATE: 12-5-78		SIZE! CODE! NUMBER REV				
			[C]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		K PL TU58-XA-0 B				
			[D]						FILE NAME: Z1609B.PLS EDIT # 14				
			[E]										
			[F]										
"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION"													

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION.

B-TC-872-0-2	FIELD MAINTENANCE PRINT SET (872)
B-DD-872-Ø	DRAWING DIRECTORY (872)
E-UA-872-Ø-Ø	UNIT ASSY (872)
K-PL-872-Ø-DBP	PARTS LIST (872)
D-CS-872-Ø-1	CIRCUIT SCHEMATIC (872)
E-AD-7017019-0-0	REAR PANEL ASSY (872)
E-AD-7017020-0-0	FRONT PANEL ASSY (872)
D-AD-7015605-0-0	CONTROL BOARD ASSY
D-UA-5413089-0-0	A.C. CONTROL BOARD
K-PL-5413089-Ø-DBP	A.C. CONTROL BOARD
D-CS-5413089-0-1	A.C. CONTROL BOARD
K-PL-7017019-0-DBP	REAR PANEL ASSY (P.L.)
K-PL-7017020-0-DBP	FRONT PANEL ASSY (P.L.)

[illegible]

872
**Field Maintenance
Print Set**

Digital Equipment Corporation

PRINT SET PART NUMBER
MP00865

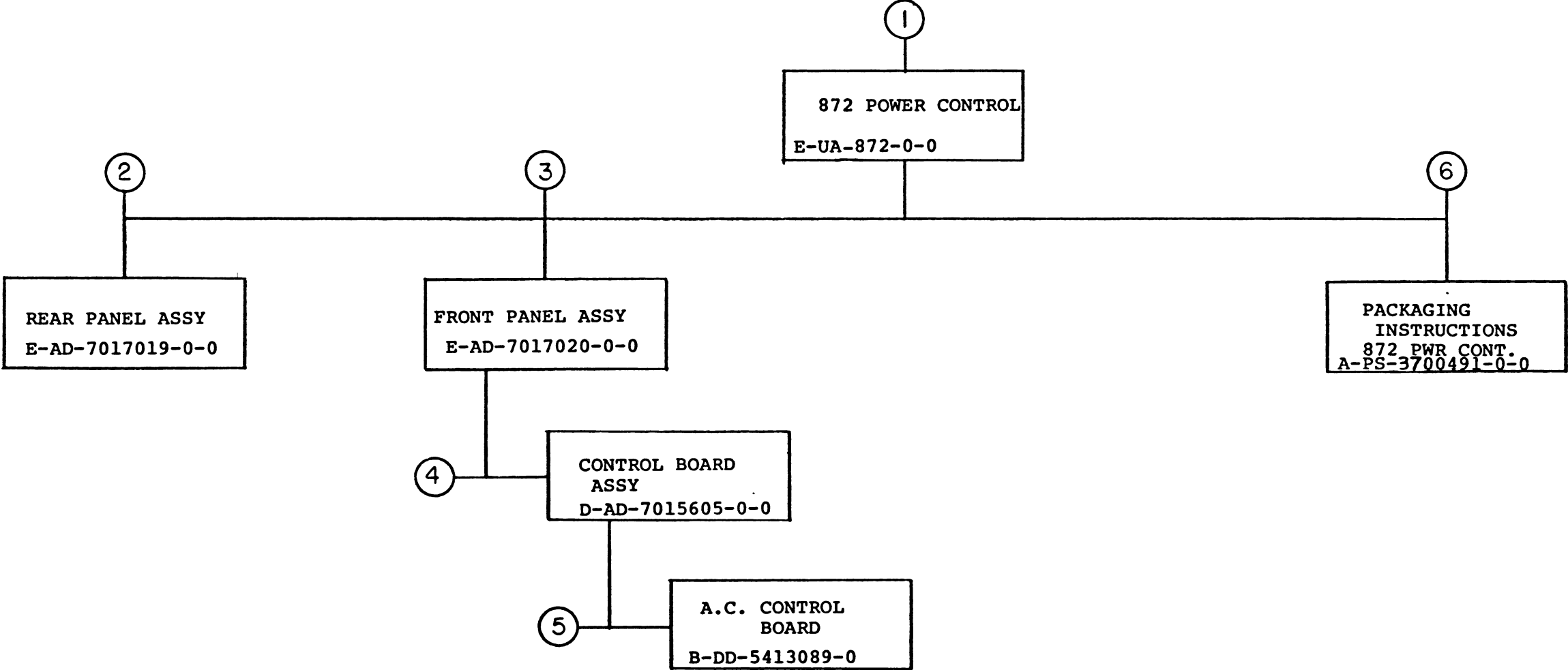
REVISIONS						USED ON OPTION/MODEL		DRN. W. McCarthy	DATE 16 JUL 79	TITLE: 872 POWER CONTROL (FIELD MAINTENANCE PRINT SET)																																							
REV.	CHG. NO.	INITIAL	A	B				CHK'D <i>W. McCarthy</i>	DATE 12 OCT 79	SIZE B																																							
								PROJ. ENG. <i>J. E.</i>	DATE 29 July 79											CODE TC																													
																														NUMBER 872-0-2																			
																																								REV. B									
DATE	2-80	2-8-80		872-MLOOI				FIELD SERV. GLENN ARMSTRONG (WFM)	DATE 12 OCT 79																																								
						SHEET 1 OF 1																																											

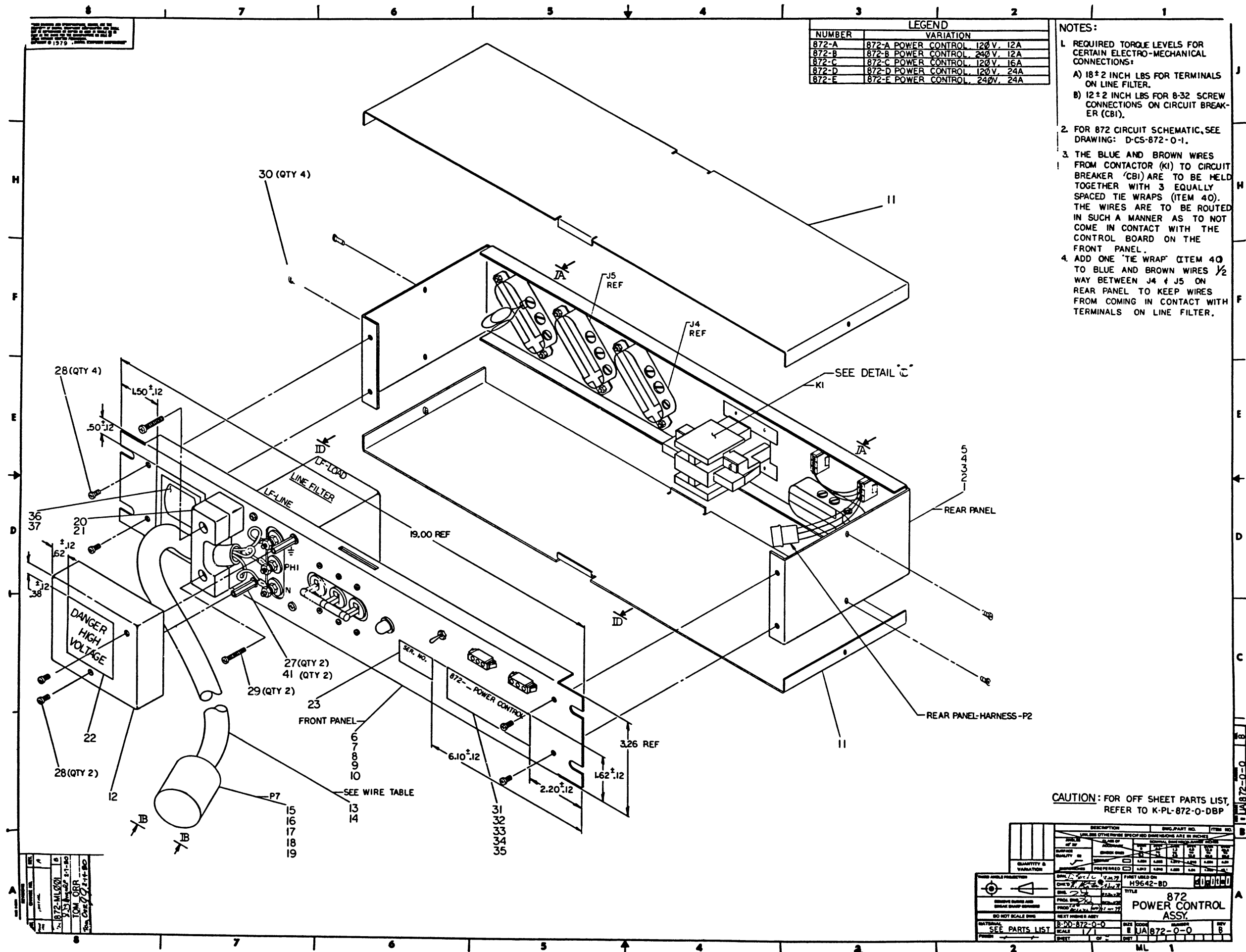
digit

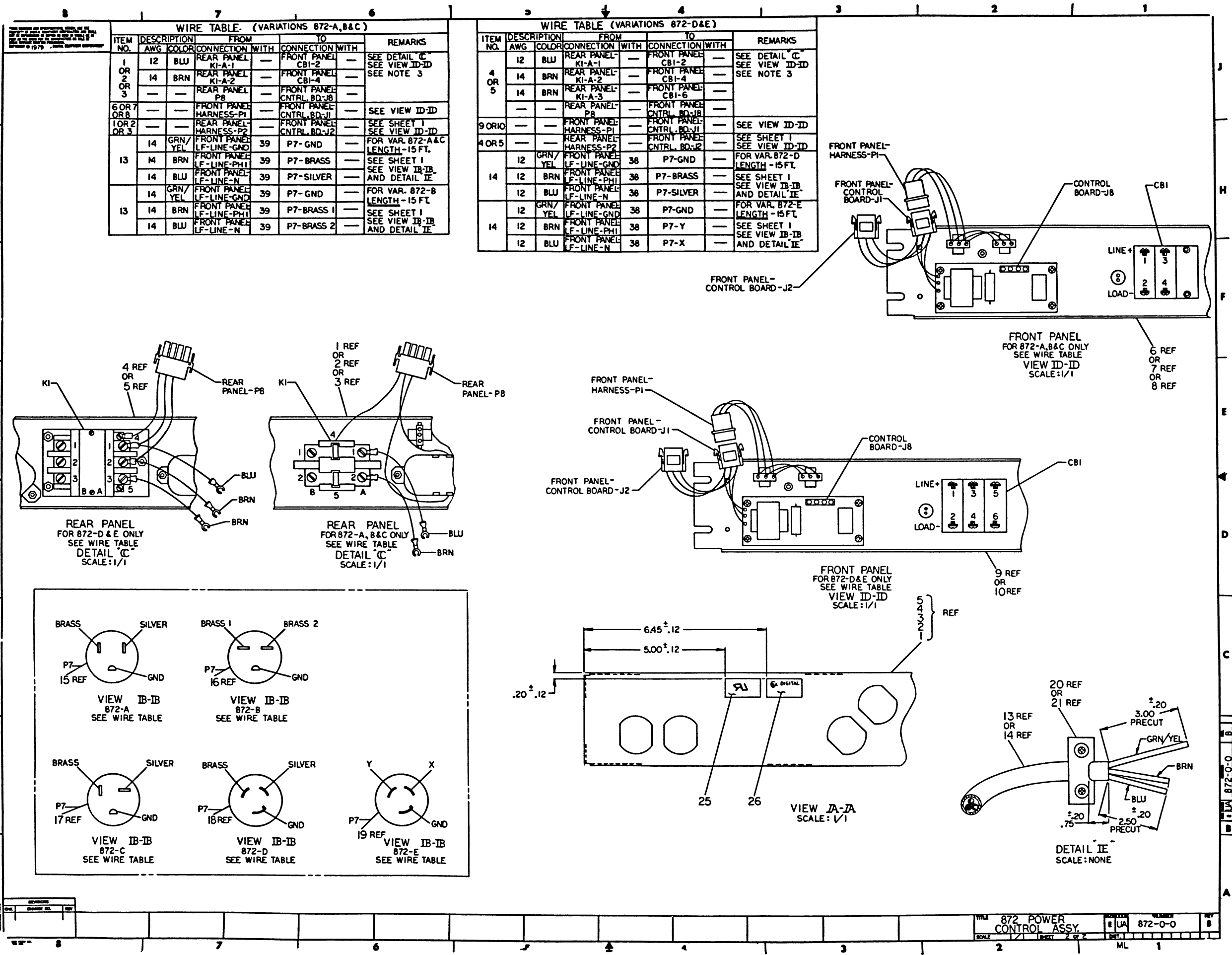
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION.

872-A	872-A POWER CONTROL, 120V, 12A
872-B	872-B POWER CONTROL, 240V, 12A
872-C	872-C POWER CONTROL, 120V, 16A
872-D	872-D POWER CONTROL, 120V, 24A
872-E	872-E POWER CONTROL, 240V, 24A

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © DIGITAL EQUIPMENT CORPORATION"







313

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION				
					A	B	C	D	E
1	1	E-AD-7017019-0-0	7017019-00	REAR PANEL ASSY.	1	-	-	-	-
2	2	E-AD-7017019-0-0	7017019-01	872-B REAR PANEL ASSY	-	1	-	-	-
3	3	E-AD-7017019-0-0	7017019-02	872-C REAR PANEL ASSY	-	-	1	-	-
4	4	E-AD-7017019-0-0	7017019-03	872-D REAR PANEL ASSY	-	-	-	1	-
5	5	E-AD-7017019-0-0	7017019-04	872-E REAR PANEL ASSY	-	-	-	-	1
6	6	E-AD-7017020-0-0	7017020-00	872-A FRONT PANEL ASSY	1	-	-	-	-
7	7	E-AD-7017020-0-0	7017020-01	872-B FRONT PANEL ASSY	-	1	-	-	-
8	8	E-AD-7017020-0-0	7017020-02	872-C FRONT PANEL ASSY	-	-	1	-	-
9	9	E-AD-7017020-0-0	7017020-03	872-D FRONT PANEL ASSY	-	-	-	1	-
10	10	E-AD-7017020-0-0	7017020-04	872-E FRONT PANEL ASSY.	-	-	-	-	1
11	11	C-IA-7422925-0-0	7422925-00	COVER POWER CONTROL	2	2	2	2	2
12	12	C-MD-7422926-0-0	7422926-00	COVER POWER CORD	1	1	1	1	1
13	13	A-PS-1700027-0-0	1700027-01	PWR CORD,14-3,300V 15A	1	1	1	-	-
14	14	A-PS-1700025-0-0	1700025-00	PWR CORD,12-3,600V 20A	-	-	-	1	1
15	15	A-PS-9008938-0-0	9008938-00	CONN,POWER 3PIN PLUG NEMA 5-15P	1	-	-	-	-
16	16	A-PS-9008853-0-0	9008853-00	CONN,POWER 3PIN PLUG NEMA 6-15P	-	1	-	-	-
17	17	A-PS-1215183-0-0	1215183-00	CONN,POWER 3PIN PLUG NEMA 5-20P	-	-	1	-	-
18	18	A-PS-1211193-0-0	1211193-00	CONN,POWER 2PIN PLUG NEMA L5-30	-	-	-	1	-
19	19	A-PS-1216886-0-0	1216886-00	CONN,POWER 3PIN PLUG NEMA L6-30	-	-	-	-	1
20	20		1215566-00	CLAMP, CABLE	1	1	1	-	-
21	21		1215566-01	CLAMP, CABLE	-	-	-	1	1
22	22	A-PS-3610267-0-0	3610267-00	DECAL, ADHESIVE BACK -DANGER HIG	1	1	1	1	1
23	23	A-PS-3613210-0-0	3613210-02	LABEL,ELECTRICAL DATA	1	1	1	1	1
24	24	A-PS-3611448-0-0	3611448-00	*** THIS ITEM IS NOT USED ***	-	-	-	-	-
25	25	A-PS-3612063-0-0	3612063-00	LABEL, ,ADHESIVE I.D. FOR UL C	1	1	1	1	1
26	26	A-PS-3613211-0-0	3613211-01	DECAL,CLEAR PREPRINTED CSA 1-1/4	1	1	1	1	1
27	27		9000001-03	STANDOFF,HEX,M/F 8-32X 1	2	2	2	2	2
28	28		9010174-01	SCREW, SEMS, PHILLIPS PAN HD 8-3	6	6	6	6	6
29	29		9010174-02	SCREW, SEMS, PHILLIPS PAN HD 8-3	2	2	2	2	2
30	30		9010174-00	SCREW, SEMS, PHILLIPS PAN HD 6-3	4	4	4	4	4

REVISION HISTORY		BASIC PART NO: 00872		DRN: JUDY SLEZ	DATE: 12-OCT-79	D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A			TITLE PARTS LIST			
---	INITIAL	A	SECTION. VARIATION INDEX	CHK'D: GEORGE HOVEY	DATE: 12-OCT-79	872 POWER CONTROL			
TO	872-ML001	B	[A] A ,B ,C ,D ,E						
			[B]	DES.ENG.: TOM ORR	DATE: 12-OCT-79				
			[C]			DOCUMENT NUMBER			
			[D]	RESP.ENG.: TOM ORR	DATE: 12-OCT-79	SIZE	CODE	NUMBER	REV
			[E]	IMFG.ENG.: GLEN ARMBRUSTER	DATE: 12-OCT-79	K	PL	872-0-DBP	B
			[F]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:		EDIT #	
				IE-UA-872-0-0	IB-DD-872-0-0	Z1012B.PLS		8	

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION "

SHEET A2 OF A2

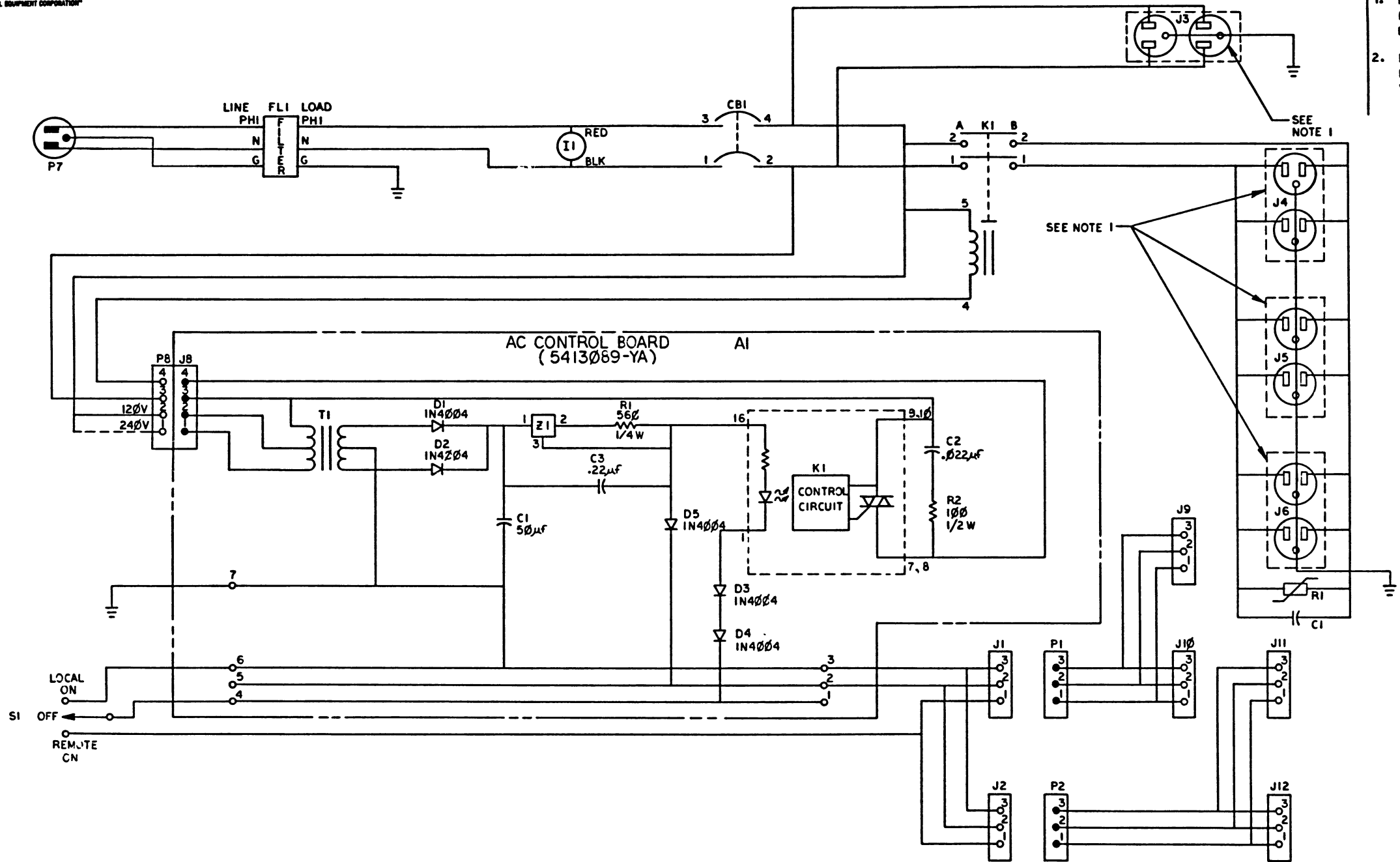
315

D	I	G	I	T	A	L	TITLE	872 POWER CONTROL	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
											K	PL	872-0-DBP	B

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION."
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION

NOTES:

1. RECEPTACLES J3-J6 ARE PICTORIALY SHOWN FOR VARIATION 872-A ONLY. FOR VARIATIONS B & C, SEE PARTS LIST.
2. RECEPTACLES J3-J6 ON SHEET 2 ARE PICTORIALY SHOWN FOR VARIATION 872-D ONLY. FOR VARIATION E, SEE PARTS LIST.

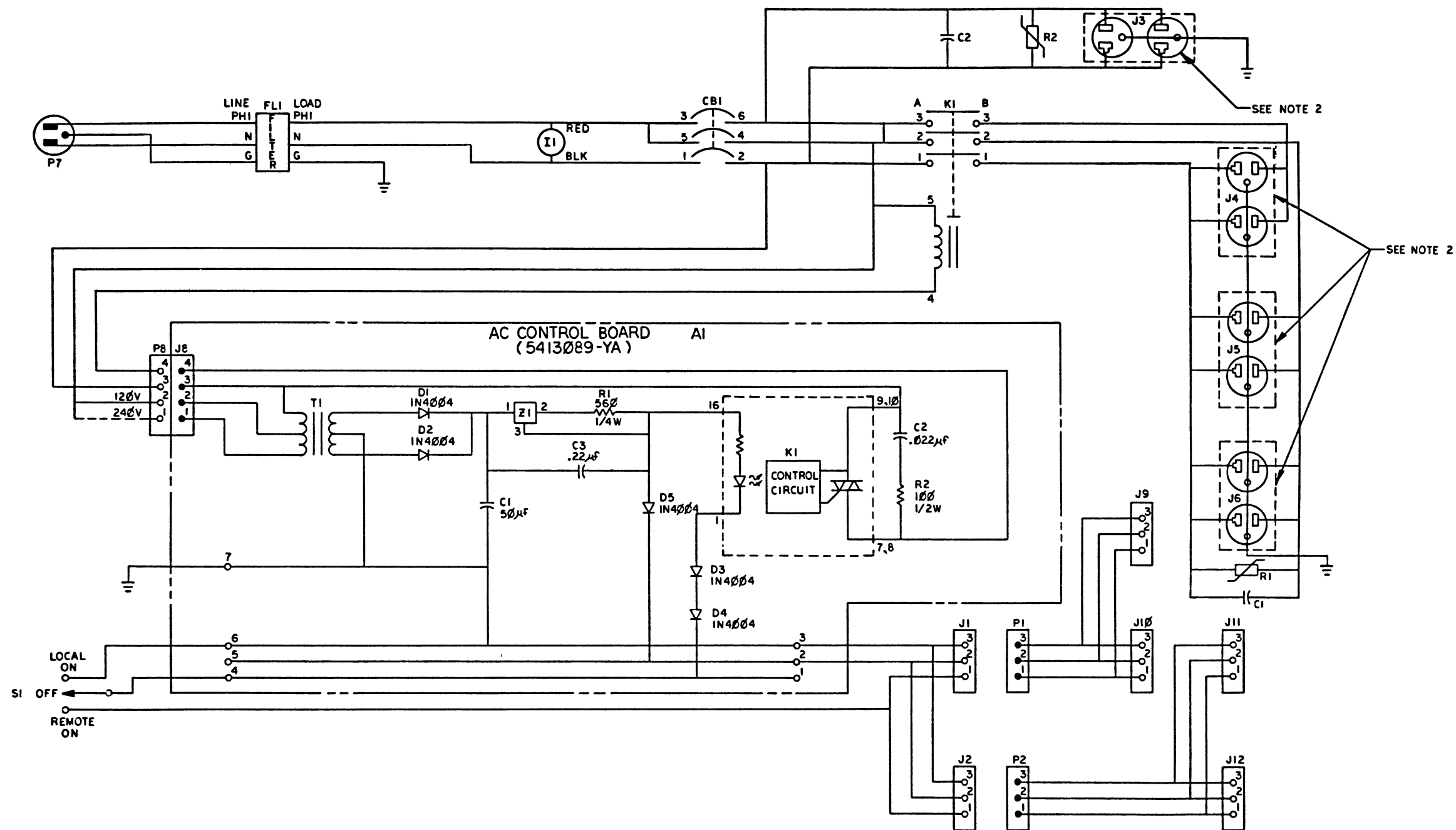


FOR VARIATIONS 872-A, B & C ONLY

REV.	CHG.	DATE	BY	INITIAL
A				
B				
C				
D				
E				

DRN 1-0-218	FIRST USED ON	872	DIGITAL
CHK'D	ENG.	PROJ. ENG.	PROD. ENG.
TITLE POWER CONTROL (872)			
NEXT HIGHER ASSY.		SIZE	CODE
E-UA-872-0-0		D	CS
SCALE		NONE	NUMBER
SHEET		1	OF 2
DST.			

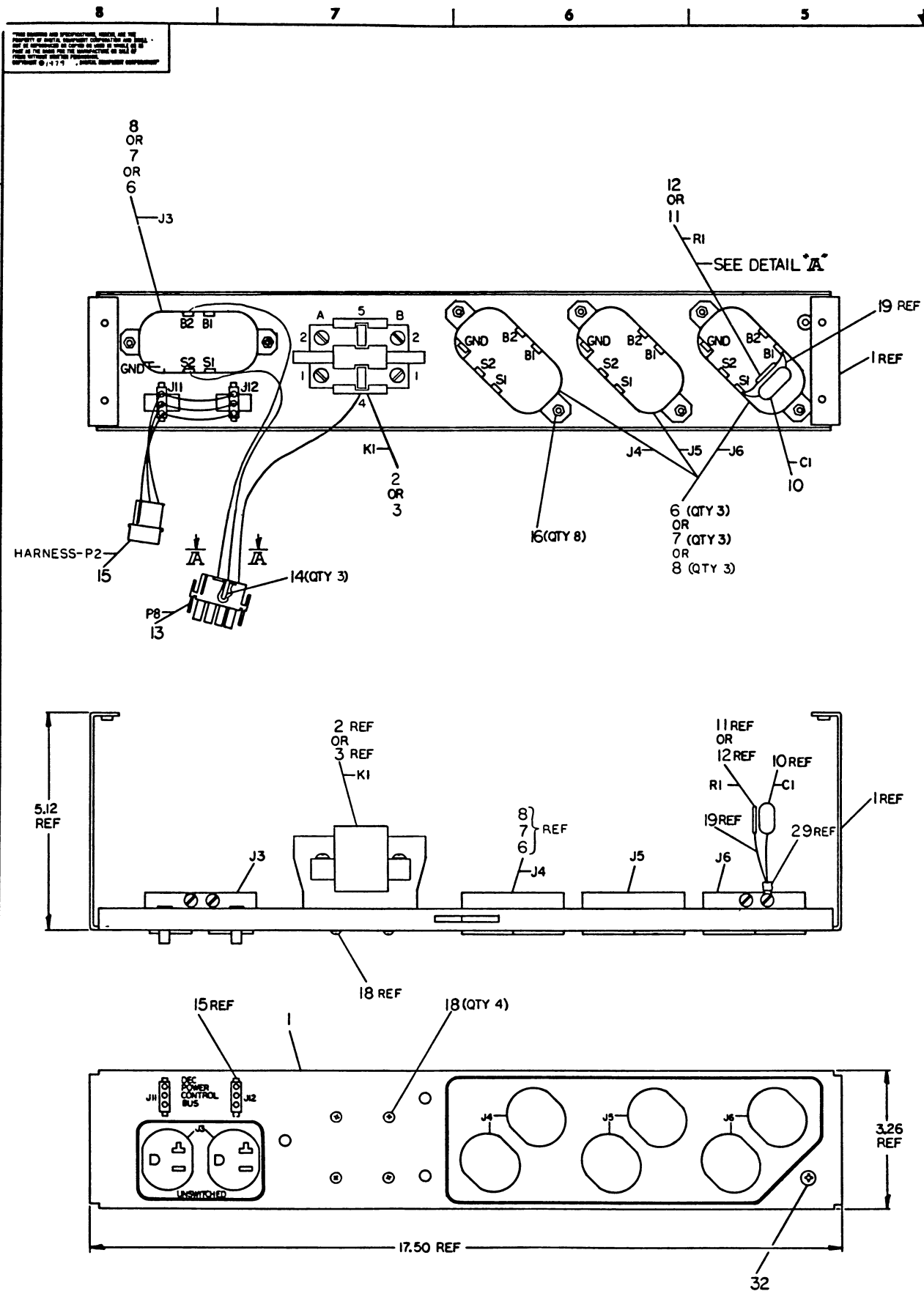
"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"



FOR VARIATIONS 872-D & E ONLY

REVISIONS		
CHK	CHANGE NO	REV.

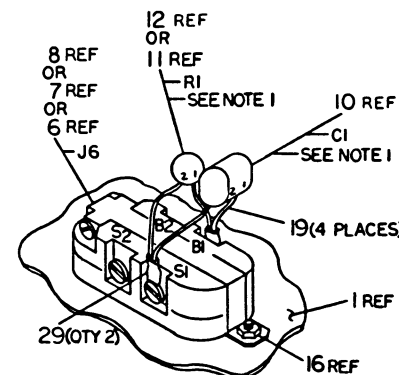
TITLE		POWER CONTROL (872)	SIZE CODE	D CS	NUMBER	872-0-1	REV.	B
SCALE		NONE	SHEET		2 OF 2	DIST.		



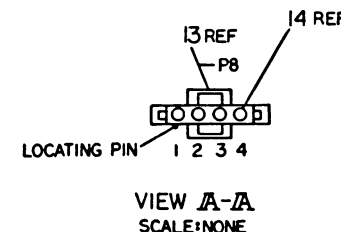
LEGEND	
NUMBER	VARIATION
7017019-00	REAR PANEL ASSY FOR 872-A
7017019-01	REAR PANEL ASSY FOR 872-B
7017019-02	REAR PANEL ASSY FOR 872-C
7017019-03	REAR PANEL ASSY FOR 872-D
7017019-04	REAR PANEL ASSY FOR 872-E

- NOTES (FOR SHEET 1 ONLY):
- LEADS ON CAPACITOR (ITEM 10) AND VARISTOR (ITEM 11 OR 12) TO BE APPROXIMATELY 1.38 INCHES LONG. SEE WIRE TABLE AND DETAIL "A".
 - LENGTHS IN WIRE TABLE ARE INCHES. TOLERANCES ARE $\pm .25$.
 - REQUIRED TORQUE LEVELS FOR CERTAIN ELECTRO-MECHANICAL CONNECTIONS:
A) 18 ± 2 INCH LBS FOR TERMINALS ON CONTACTOR KI (ITEM 2 OR 3)
B) 16 ± 2 INCH LBS FOR 8-32 SCREW CONNECTIONS ON OUTLETS J3 THRU J6 (ITEMS 6, 7, OR 8).

WIRE TABLE (FOR VARIATIONS 7017019-00, -01, -02.)									
ITEM NO	AWG	COLOR	CONNECTION	FROM	WITH	TO	CONNECTION	WITH	PRECUT LENGTH
20	12	BLU	KI-A-1	26	—	30	—	10	
20	12	BLU	—	26	J3-S1	30	—	5	
22	14	BRN	KI-A-2	26	—	28	—	4	
—	18	YEL	—	—	KI-5	—	—	4	
22	14	BRN	—	27	—	28	—	10	
—	18	YEL	KI-4	—	P8-4	13 & 14	—	7	
24	18	BLU	J3-S2	29	P8-3	13 & 14	—	7	
23	18	BRN	J3-B2	29	P8-2	13 & 14	—	7	7017019-00, -02
23	18	BRN	J3-B2	29	P8-1	13 & 14	—	7	7017019-01 ONLY
22	14	BRN	KI-B-2	27	J4-B2	28	—	4	
20	12	BLU	KI-B-1	26	J4-S2	30	—	5	
21	14	BLU	J4-S1	28	J5-S2	28	—	5	
22	14	BRN	J4-B1	28	J5-B2	28	—	5	
21	14	BLU	J5-S1	28	J6-S2	28	—	5	
22	14	BRN	J5-B1	28	J6-B2	28	—	5	
10 & 11	—	—	CI-1	19	J6-B1	29	—	SEE NOTE 1	FOR VARIATIONS 7017019-00, -02
—	—	—	CI-2	19	J6-S1	29	—	—	—
—	—	—	RI-1	19	J6-B1	29	—	—	—
10 & 12	—	—	CI-1	19	J6-B1	29	—	SEE NOTE 1	FOR VARIATION 7017019-01
—	—	—	CI-2	19	J6-S1	29	—	—	—
—	—	—	RI-2	19	J6-S1	29	—	—	—



DETAIL "A"
SCALE: NONE



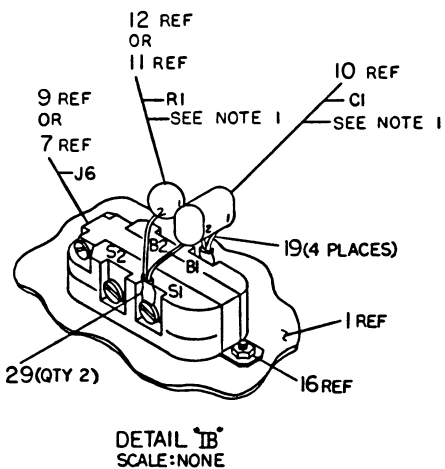
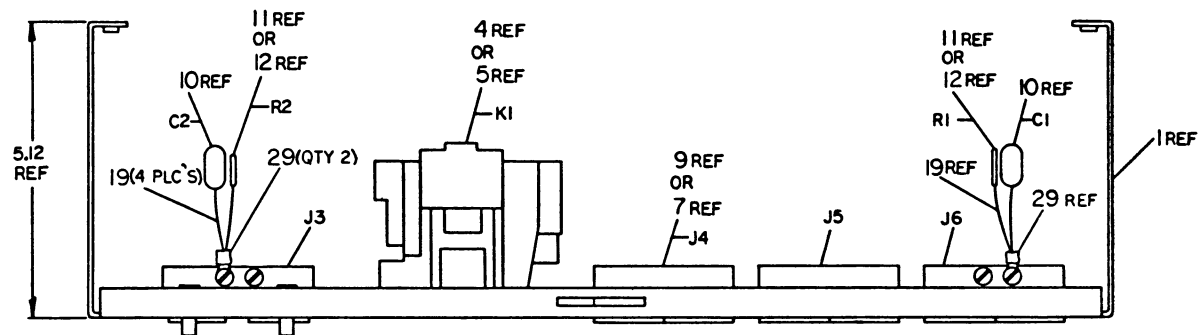
THIS SHEET FOR VARIATIONS
7017019-00, -01, -02 ONLY

CAUTION: OFF SHEET PARTS LIST,
REFER TO: K-PL-7017019-0-08P

REV	DATE	BY	CHKD	DESCRIPTION
1	10/1/77	ML	ML	1672 ML001
2	10/1/77	ML	ML	1672 ML001
3	10/1/77	ML	ML	1672 ML001
4	10/1/77	ML	ML	1672 ML001
5	10/1/77	ML	ML	1672 ML001
6	10/1/77	ML	ML	1672 ML001
7	10/1/77	ML	ML	1672 ML001
8	10/1/77	ML	ML	1672 ML001

QUANTITY & VARIATION		DESCRIPTION		QTY. PART NO.		ITEM NO.	
1		REAR PANEL ASSY		872-A		1	
1		REAR PANEL ASSY		872-B		2	
1		REAR PANEL ASSY		872-C		3	
1		REAR PANEL ASSY		872-D		4	
1		REAR PANEL ASSY		872-E		5	
1		REAR PANEL ASSY		872-F		6	
1		REAR PANEL ASSY		872-G		7	
1		REAR PANEL ASSY		872-H		8	
1		REAR PANEL ASSY		872-I		9	
1		REAR PANEL ASSY		872-J		10	
1		REAR PANEL ASSY		872-K		11	
1		REAR PANEL ASSY		872-L		12	
1		REAR PANEL ASSY		872-M		13	
1		REAR PANEL ASSY		872-N		14	
1		REAR PANEL ASSY		872-O		15	
1		REAR PANEL ASSY		872-P		16	
1		REAR PANEL ASSY		872-Q		17	
1		REAR PANEL ASSY		872-R		18	
1		REAR PANEL ASSY		872-S		19	
1		REAR PANEL ASSY		872-T		20	
1		REAR PANEL ASSY		872-U		21	
1		REAR PANEL ASSY		872-V		22	
1		REAR PANEL ASSY		872-W		23	
1		REAR PANEL ASSY		872-X		24	
1		REAR PANEL ASSY		872-Y		25	
1		REAR PANEL ASSY		872-Z		26	
1		REAR PANEL ASSY		872-AA		27	
1		REAR PANEL ASSY		872-AB		28	
1		REAR PANEL ASSY		872-AC		29	
1		REAR PANEL ASSY		872-AD		30	
1		REAR PANEL ASSY		872-AE		31	
1		REAR PANEL ASSY		872-AF		32	

REVISIONS		
CHK	CHANGE NO.	REV.
400	1111	1



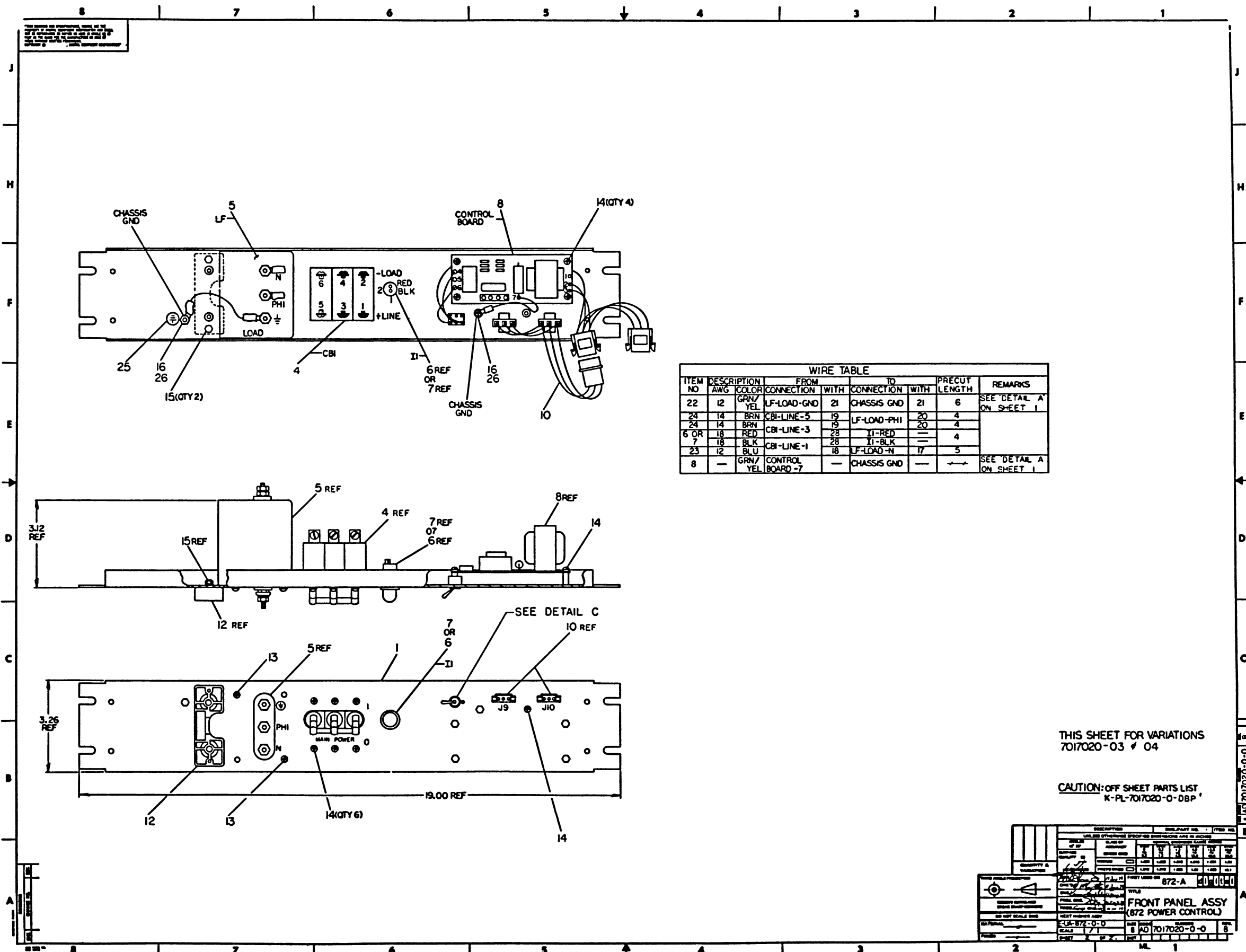
CAUTION: OFF SHEET PARTS LIST
REFER TO K-PL-7017019-0-DBP

ITEM NO	DESCRIPTION	FROM	TO	PRECUT LENGTH	REMARKS			
	AWG	COLOR	CONNECTION	WITH				
20	12	BLU	K1-A-1	26	30	10	7017019-03 ONLY 7017019-04 ONLY	
20	12	BLU		26	J3-S1	30		5
22	14	BRN	K1-A-3	27	J3-B1	28		4
22	14	BRN		27	—	28		10
22	14	BRN	K1-A-2	27	—	28		10
24	18	BLU	K1-A-1	31	P8-3	13 & 14		7
23	18	BRN	K1-A-2	31	P8-2	13 & 14		7
23	18	BRN	K1-A-2	31	P8-1	13 & 14		7
25	18	YEL	K1-A-4	31	P8-4	13 & 14		7
23	18	BRN	K1-A-3	31	K1-A-5	31		3
20	12	BLU	K1-B-1	26	J4-S2	30		5
21	14	BLU	J4-S1	28	J5-S2	28		5
21	14	BLU	J5-S1	28	J6-S2	28		5
22	14	BRN	K1-B-2	27	J5-B2	28		7
22	14	BRN	K1-B-3	27	J4-B2	28	4	
22	14	BRN	J5-B1	28	J6-B2	28	5	
10 & 11	—	—	C1-1	19	J6-B1	29	SEE NOTE 1	FOR VARIATION 7017019-03
	—	—	R1-1					
	—	—	C1-2	19	J6-S1	29		
10 & 12	—	—	R1-2	19	J6-B1	29		FOR VARIATION 7017019-04
	—	—	C1-1	19	J6-B1	29		
	—	—	C1-2	19	J6-S1	29		
10 & 11	—	—	R2-1	19	J3-B2	29		FOR VARIATION 7017019-03
	—	—	C2-2	19	J3-S2	29		
	—	—	R2-2	19	J3-S2	29		
10 & 12	—	—	C2-1	19	J3-B2	29		FOR VARIATION 7017019-04
	—	—	R2-1	19	J3-B2	29		
	—	—	C2-2	19	J3-S2	29		
	—	—	B2-2				SEE NOTE 1	

NOTES (FOR SHEET 2 ONLY):

1. LEADS ON CAPACITOR (ITEM 10) AND VARISTOR (ITEM 11 OR 12) TO BE APPROXIMATELY 1.38 INCHES LONG. SEE WIRE TABLE AND DETAIL B.
2. LENGTHS IN WIRE TABLE ARE INCHES. TOLERANCES ARE $\pm .25$
3. REQUIRED TORQUE LEVELS FOR CERTAIN ELECTRO-MECHANICAL CONNECTIONS:
 - A) 18 ± 2 INCH LBS FOR TERMINALS ON CONTACTOR KI (ITEM 4 OR 5)
 - B) 16 ± 2 INCH LBS FOR 8-32 SCREW CONNECTIONS ON OUTLETS J3 THRU J6 (ITEMS 7 OR 9).

[illegible]



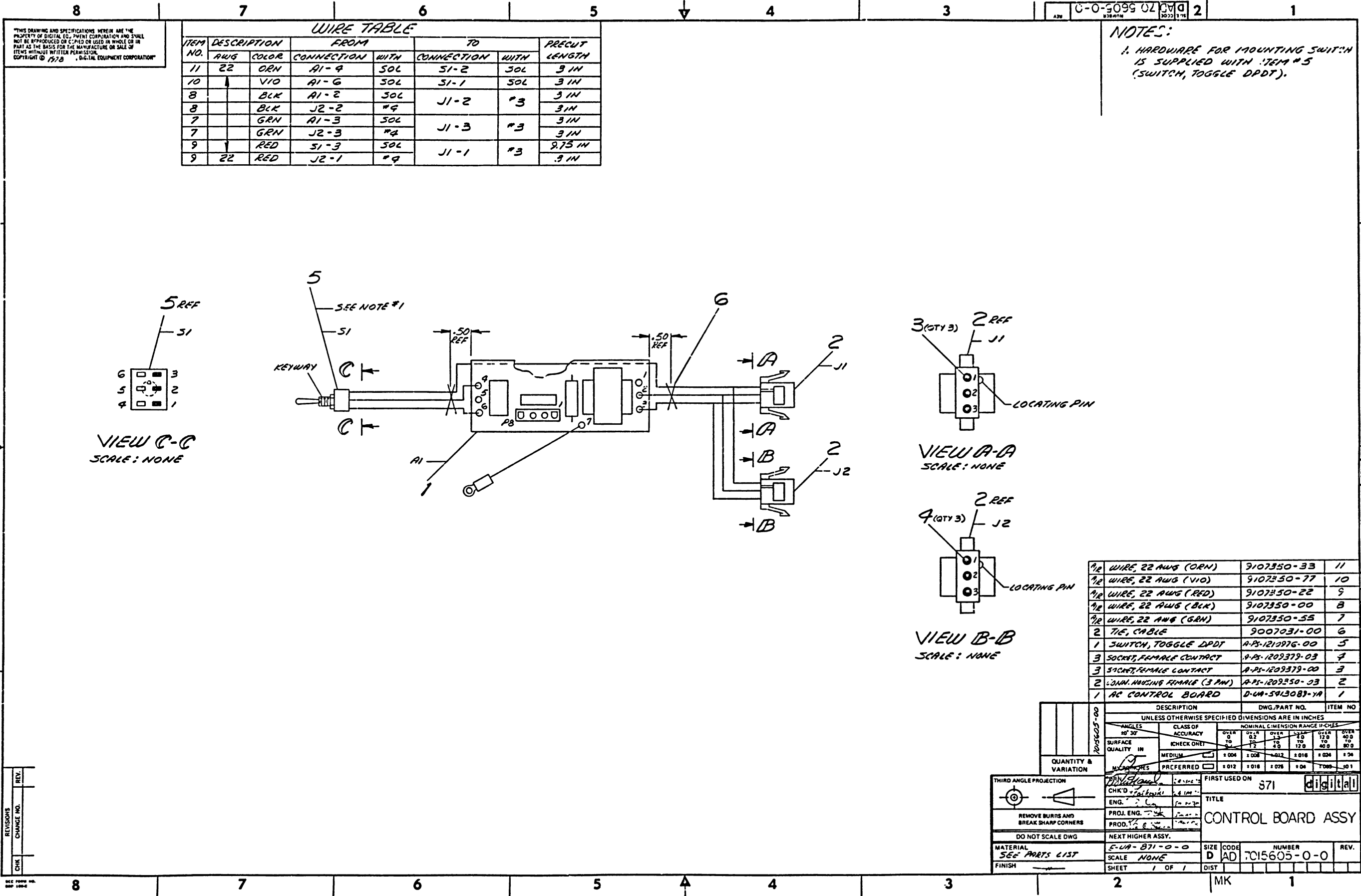
WIRE TABLE									
ITEM NO	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH	PRECUT LENGTH	REMARKS	
22	12	GRN/YEL	LF-LOAD-GND	21	CHASSIS GND	21	6	SEE DETAIL A ON SHEET 1	
24	14	BRN	CBI-LINE-5	19	LF-LOAD-PHI	20	4		
24	14	BRN	CBI-LINE-3	19	LF-LOAD-PHI	20	4		
6 OR 7	18	RED	CBI-LINE-3	28	11-RED	—	4		
7	18	BLK	CBI-LINE-1	28	11-BLK	—	4		
23	12	BLU	LF-LOAD-N	18	LF-LOAD-N	17	5	SEE DETAIL A ON SHEET 1	
8	—	GRN/YEL	CONTROL BOARD-7	—	CHASSIS GND	—	—		

THIS SHEET FOR VARIATIONS
7017020-03 & 04

CAUTION: OFF SHEET PARTS LIST
K-PL-7017020-0-DBP

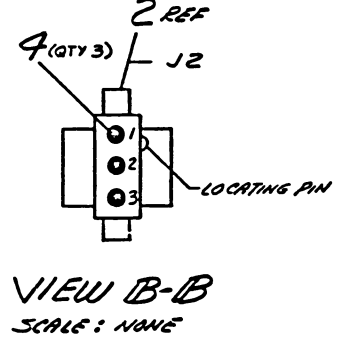
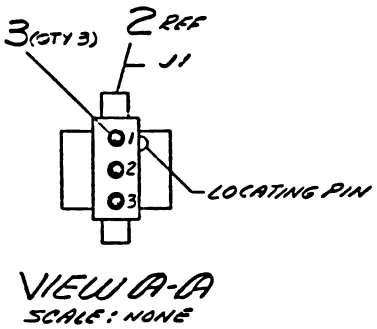
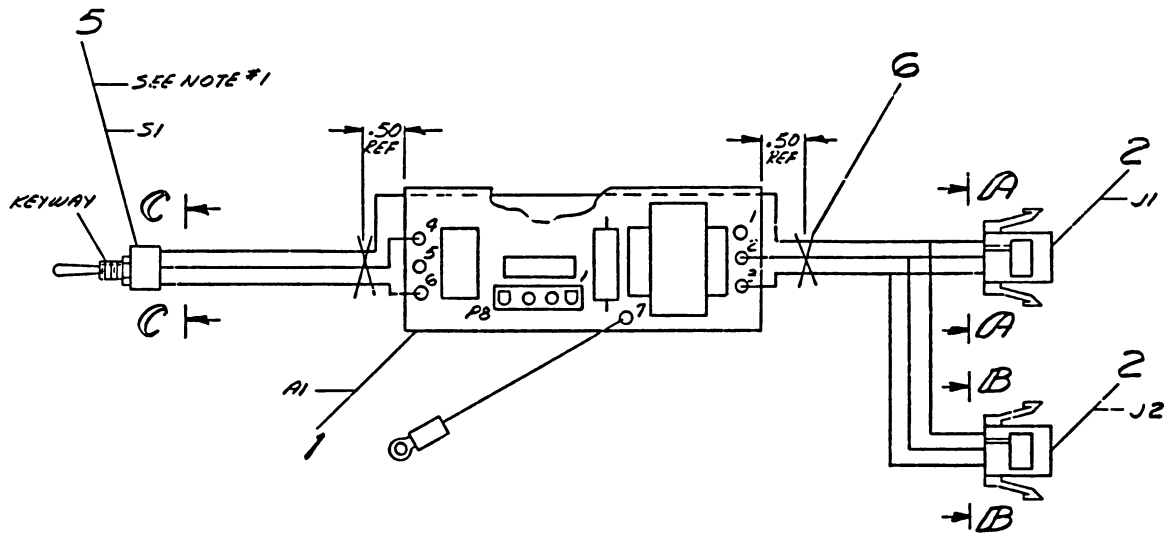
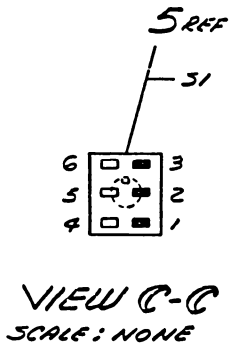
TITLE FRONT PANEL ASSY (872 POWER CONTROL)		PART NO. 872-A	
DRAWN BY CHECKED BY APPROVED BY		DATE 10-10-60	
SCALE 1:1		SHEET NO. 1 OF 1	

321



WIRE TABLE							
ITEM NO.	DESCRIPTION		FROM		TO		PRECUT LENGTH
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH	
11	22	ORN	A1-4	50L	S1-2	50L	3 IN
10		VIO	A1-6	50L	S1-1	50L	3 IN
8		BLK	A1-2	50L	J1-2	#3	3 IN
8		BLK	J2-2	#4	J1-2	#3	3 IN
7		GRN	A1-3	50L	J1-3	#3	3 IN
7		GRN	J2-3	#4	J1-3	#3	3 IN
9		RED	S1-3	50L	J1-1	#3	9.75 IN
9	22	RED	J2-1	#4	J1-1	#3	3 IN

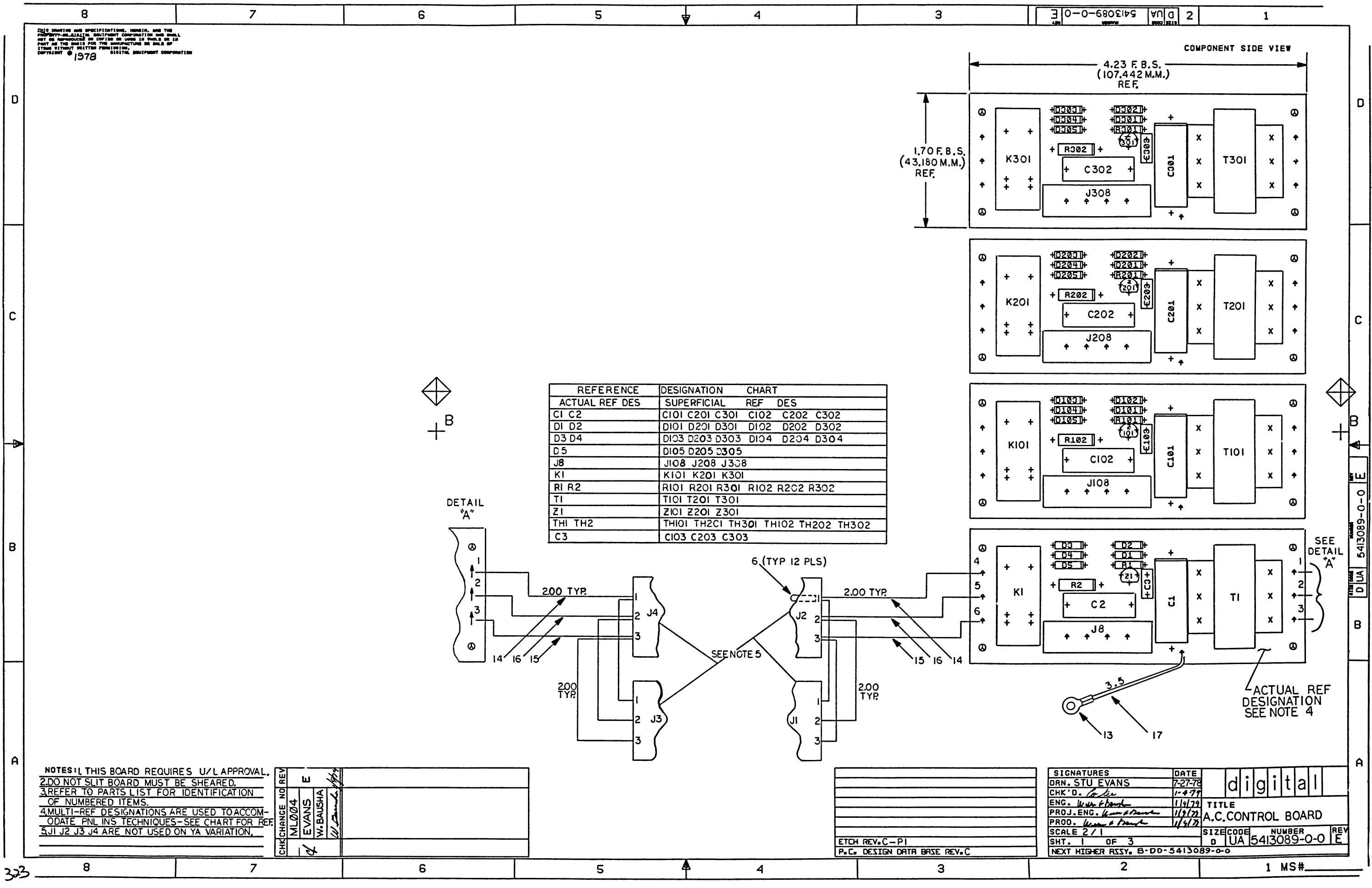
NOTES:
1. HARDWARE FOR MOUNTING SWITCH IS SUPPLIED WITH ITEM #5 (SWITCH, TOGGLE DPDT).



11	WIRE, 22 AWG (ORN)	9107350-33	11
10	WIRE, 22 AWG (VIO)	9107350-77	10
9	WIRE, 22 AWG (RED)	9107350-22	9
8	WIRE, 22 AWG (BLK)	9107350-00	8
7	WIRE, 22 AWG (GRN)	9107350-55	7
6	TIE, CABLE	9007031-00	6
5	SWITCH, TOGGLE DPDT	A-PS-1212976-00	5
4	SOCKET, FEMALE CONTACT	A-PS-1209379-03	4
3	SOCKET, FEMALE CONTACT	A-PS-1209379-00	3
2	LOCATING FEMALE (3 PIN)	A-PS-1209350-03	2
1	AC CONTROL BOARD	D-UM-5913089-1A	1

QUANTITY & VARIATION		DESCRIPTION		DWG. PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CLASS OF ACCURACY		NOMINAL DIMENSION RANGE IF CHES		FIRST USED ON	
ANGLES		CHECK ONE		OVER 0.25 TO 1.0		871	
SURFACE QUALITY		MEDIUM		OVER 1.0 TO 12.0		digital	
FINISH		PREFERRED		OVER 12.0 TO 40.0		CONTROL BOARD ASSY	
MATERIAL		E-UM-871-0-0		OVER 40.0 TO 80.0		SIZE CODE	
SCALE		NONE		DIST		NUMBER	
SHEET		1 OF 1		REV.		7015605-0-0	

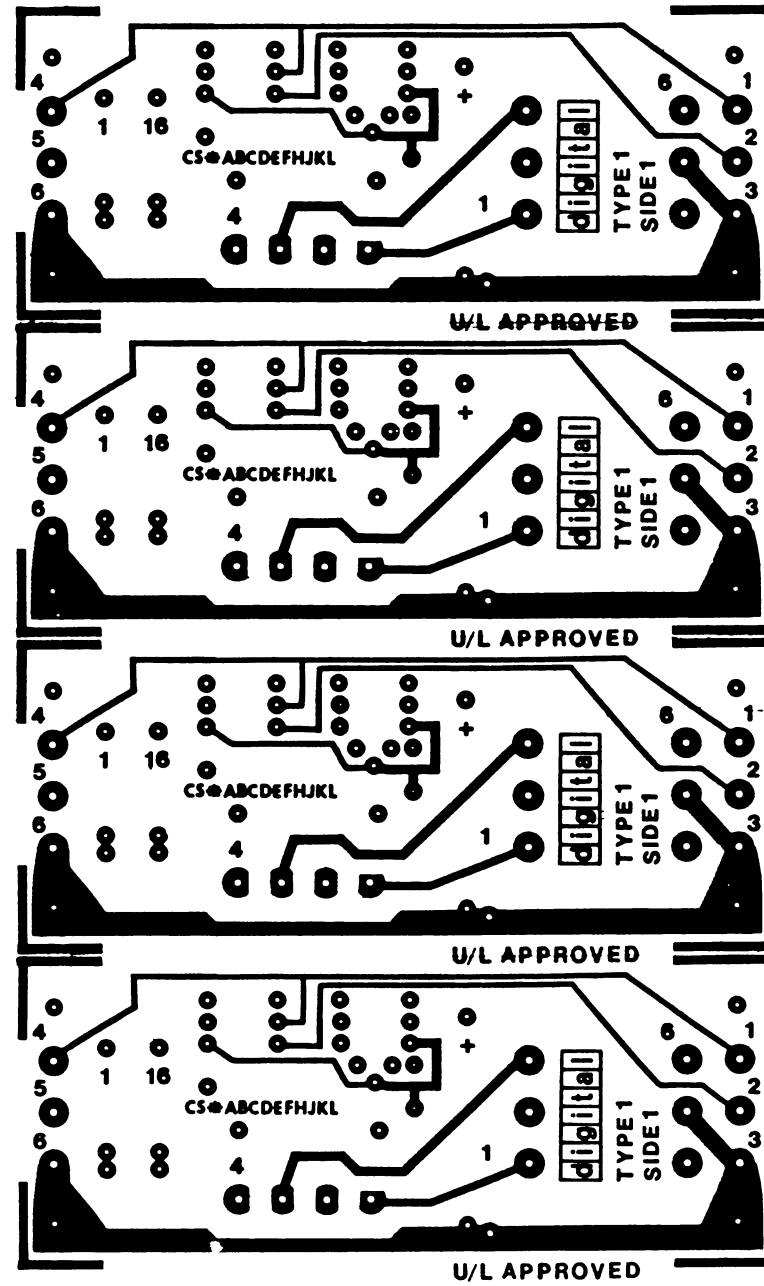
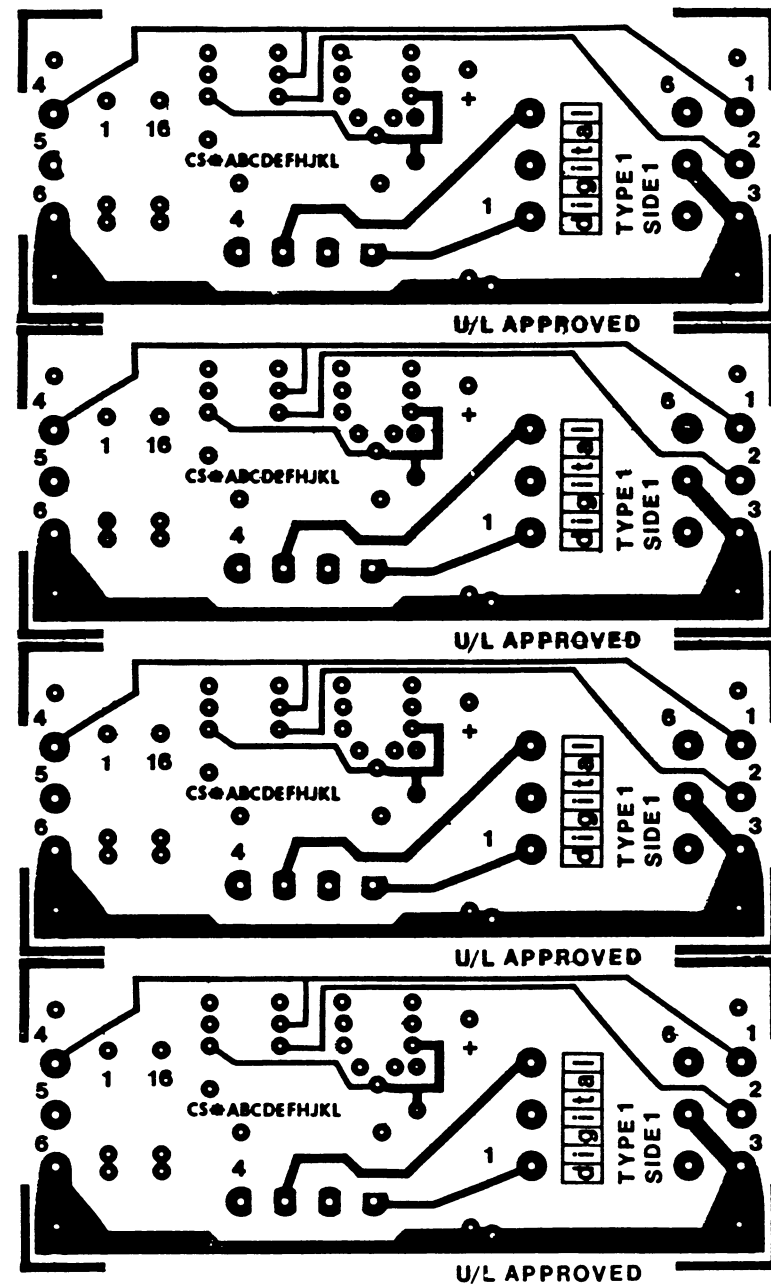
REVISIONS	REV.
CHANGE NO.	
CHK	



THIS DRAWING AND SPECIFICATIONS, HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. DIGITAL EQUIPMENT CORPORATION
COPYRIGHT © 1979

L1

5413089 5013088C-P1



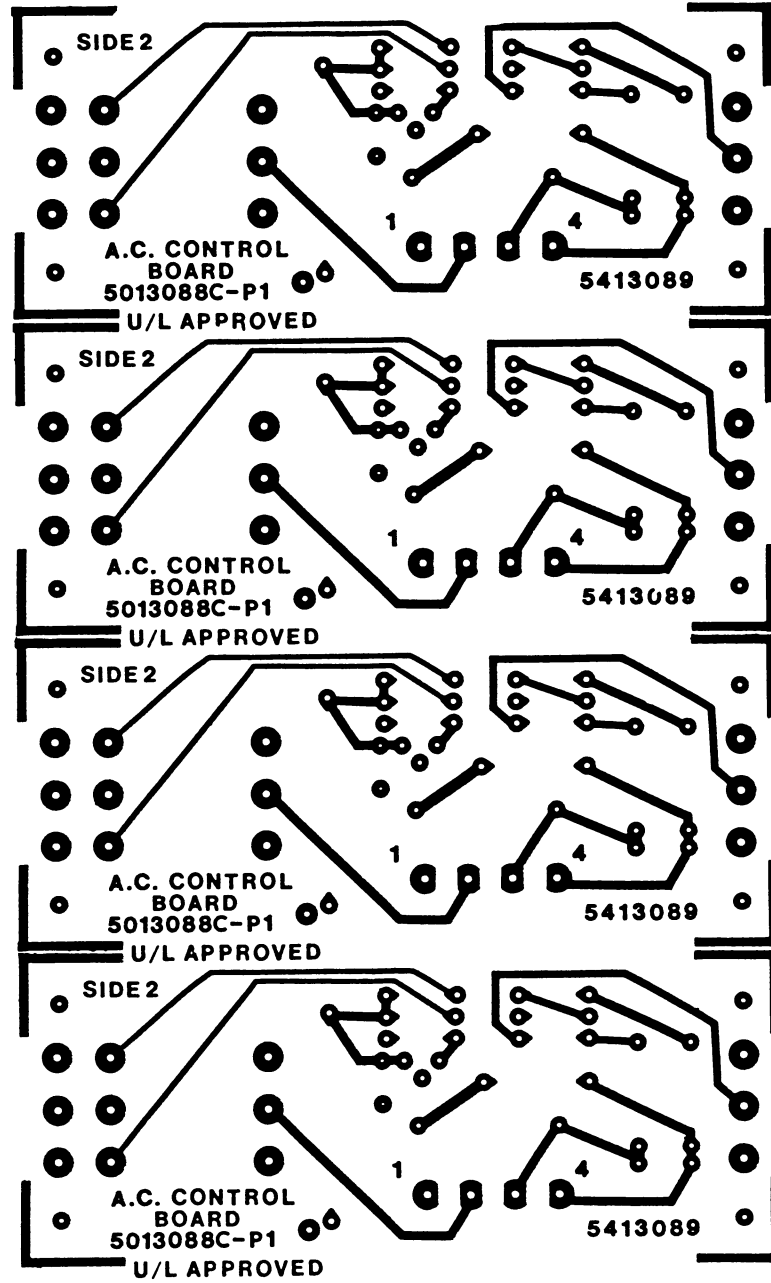
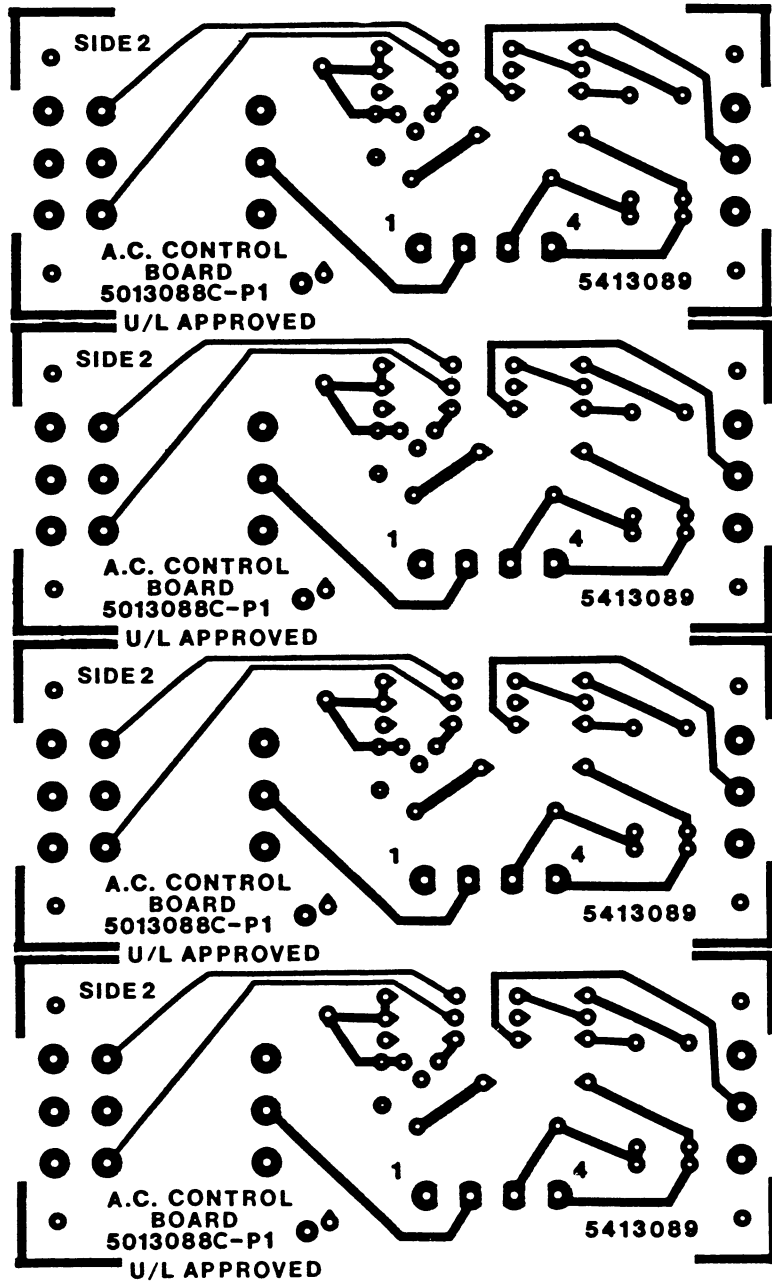
REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV
AC. CONTROL BOARD		DUA	5413089-00	E
SCALE 2:1	SHEET 2 OF 3	DIST		

DUA 5413089-00

324

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION



REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE/CODE	NUMBER	REV
A.C. CONTROL BOARD		D UA	5413089-0-0	E
SCALE 2:1		SHEET 3 OF 3		DIST

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
1	1	D-MD-5013088-0-0	5013088-00	PILOT CONTROL BOARD	1	
2	2		1000080-00	50 MFD 50V GZ 30D AL EL	1	C1
3	3		1014430-00	.022 MFD 270V 10% M.POLYPROP	1	C2
4	4		1105796-00	1N 4004 FIV=400 I= 1A D041 SP	5	D1-D5
5	5		1209350-03	MATE-N-LOK 3PIN,HOUSING,SKT	4	J1-J4
6	6		1209379-00	MATE-N-LOK PIN 20-14AWG STRIP SD	12	
7	7		1212297-01	MATE-N-LOK 4PIN UNIV HEADER	1	J8
8	8		1214380-00	RLY,G.P., SPST, 0.5A \$	1	K1
9	9		1300223-00	100 1/2W 5% CC	1	R2
10	10		1301890-00	560 1/4W 5% CC	1	R1
11	11		1612342-00	XFMR P=AB S=48CT	1	T1
12	12		1914471-00	78L08 VOLT.REG.FIX .+	1	Z1
13	13		9007930-00	TERM RING 1POS INSULATED,22-16	1	
14	14		9107360-66	WIRE,STRND,18AWG,IPVC UL1429	A/R	
15	15		9107360-77	WIRE,STRND,18AWG,IPVC UL1429	A/R	
16	16		9107360-88	WIRE,STRND,18AWG,IPVC UL1429	A/R	
17	17		9107410-54	WIRE,STRND,18AWG,IPVC UL1429	A/R	
18	18		1010274-00	.22 MFD 50V -20+80 Z5U CER	1	C3

19 NOTE: REFER TO DWG. D-UA-5413089-0-0, REV.A FOR ADDITIONAL INSERTION CRITERIA.

REVISION HISTORY			BASIC PART NO: 5413089		DRN:	A.COLON	DATE: 14-MAR-78	DIGITAL			
ENG	ECO NUMBER	REV	SECTION 1 OF 2								
								TITLE PARTS LIST			
KIT	00002	C	SECTION VARIATION INDEX		CHK'D:	R.GLEEZEN	DATE: 14-MAR-78	A.C. CONTROL BOARD			
R.R	00003	D	[1] 00								
C.L	5413089-ML004	E	[2] YA								
			[3]		DES.ENG:	L.DOIRON	DATE: 14-MAR-78				
			[4]								
			[5]					DOCUMENT NUMBER			
			[6]		RESP.ENG.:	R.KENNEDY	DATE: 14-MAR-78				
			[7]					SIZE	CODE	NUMBER	REV
			[8]								
			[9]		MFG.ENG.:	B.MANSON	DATE: 14-MAR-78	K	PL	5413089-0-DBP	E
			[10]								
			[11]		ASSEMBLY NUMBER:			FILE NAME:		EDIT #	
			[12]		D-UA-5413089-0-0			Z0195E.FLS		12	
*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1979. DIGITAL EQUIPMENT CORPORATION *											

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	REFERENCE DESIGNATOR
1	1	D-MD-5013088-0-0	5013088-00	PILOT CONTROL BOARD	1	
2	2		1000080-00	50 MFD 50V G% 30D AL EL	1	C1
3	3		1014430-00	.022 MFD 270V 10% M.POLYPROP	1	C2
4	4		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	5	D1-D5
5	5		1209350-07	MATE-N-LOK 3PIN,HOUSING,SKT	0	
6	6		1209379-00	MATE-N-LOK PIN 20-14AWG STRIP SD	0	
7	7		1212297-01	MATE-N-LOK 4PIN UNIV HEADER	1	J8
8	8		1214380-00	RLY,G.P., SPST, 0.5A \$	1	K1
9	9		1300228-00	100 1/2W 5% CC	1	R2
10	10		1301890-00	560 1/4W 5% CC	1	R1
11	11		1612342-00	XFMR P=AP S=48CT	1	T1
12	12		1914471-00	78L08 VOLT.REG.FIX .+	1	Z1
13	13		9007930-00	TERM RING 1POS INSULATED,22-16	1	
14	14		9107360-66	WIRE,STRND,18AWG,IPVC UL1429	0	
15	15		9107360-77	WIRE,STRND,18AWG,IPVC UL1429	0	
16	16		9107360-88	WIRE,STRND,18AWG,IPVC UL1429	0	
17	17		9107410-54	WIRE,STRND,18AWG,IPVC UL1429	A/R	
18	18		1010274-00	.22 MFD 50V -20+80 Z5U CER	1	C3

19 NOTE: REFER TO DWG. D-UA-5413089-0-0, REV.A FOR ADDITIONAL INSERTION CRITERIA.

REVISION HISTORY			BASIC PART NO: 5413089			D I G I T A L			
ENG	ECO NUMBER	REV	SECTION 2 OF 2	DRN:	A.COLON	DATE: 14-MAR-78			
KIT	00002	C	SECTION VARIATION INDEX	CHK'D:	R.GLEEZEN	DATE: 14-MAR-78	TITLE PARTS LIST		
R.R	00003	D	[1] 00			A.C. CONTROL BOARD			
C.L	5413089-ML004	E	[2] YA						
			[3]	DES.ENG:	L.DOIRON	DATE: 14-MAR-78			
			[4]			DOCUMENT NUMBER			
			[5]	RESP.ENG.:	R.KENNEDY	DATE: 14-MAR-78			
			[6]			SIZE	CODE	NUMBER	REV
			[7]	MFG.ENG.:	B.MANSON	DATE: 14-MAR-78	K	PL	5413089-0-DBP
			[8]						
			[9]	ASSEMBLY NUMBER:		FILE NAME:			EDIT #
			[10]	D-UA-5413089-0-0		Z0195E.PLS			12
			[11]						
			[12]						
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1979. DIGITAL EQUIPMENT CORPORATION									

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION				
					00	01	02	03	04
1	1	E-1A-7422920-0-0	7422920-00	REAR PANEL,POWER CONTROL	1	1	1	1	1
2	2	A-PS-1214283-0-0	1214283-00	CONTACTOR, 20A,2P ,120V C	1	-	1	-	-
3	3	A-PS-1214283-0-0	1214283-01	CONTACTOR, 20A,2P ,240V C	-	1	-	-	-
4	4	A-PS-1211147-0-0	1211147-00	CONTACTOR, 30A,3P DBL BRK,600V,1	-	-	-	1	-
5	5	A-PS-1211147-0-0	1211147-01	CONTACTOR, 30A,3P DBL BRK,600V,2	-	-	-	-	1
6	6	A-PS-1214899-0-0	1214899-00	CONN,POWER 2PIN RCPT	4	-	-	-	-
7	7	A-PS-1212265-0-0	1212265-00	CONN,POWER 2PIN RCPT, DUPLEX FO	-	-	4	4	-
8	8	A-PS-1211204-0-0	1211204-01	CONN,POWER 2PIN RCPT, DUPLEX W/	-	4	-	-	-
9	9	A-PS-1216885-0-0	1216885-00	CONN,POWER 3PIN RCPT,DUPLEX,20A	-	-	-	-	4
10	10		1014430-01	.1 MFD 270V 20% M.POLYPROP	1	1	1	2	2
11	11		1311996-00	VARISTOR 150VAC VOLT TRANS SUP	1	-	1	2	-
12	12		1311996-02	VARISTOR 275VAC VOLT TRANS SUP	-	1	-	-	2
13	13		1212167-01	MATE-N-LOK 4POS UNIV HSG,CAP	1	1	1	1	1
14	14		1212170-00	MATE-N-LOK SKT 20-14AWG UNIV	3	3	3	3	3
15	15	C-1A-7017046-0-0	7017046-00	HARNESS, CONTROL BOARD	1	1	1	1	1
16	16		9006560-00	NUT,KEP , 6-32 X5/16AF	8	8	8	8	8
17	17		9006565-00	NUT,KEP , 10-32X 3/8 AF	-	-	-	3	3
18	18		9009643-02	SCREW, SEMS, PHILLIPS PAN HD 4-4	4	4	4	-	-
19	19		9107267-11	TUBING,THIN WALL,.034ID UL	A/R	A/R	A/R	A/R	A/R
20	20		9107380-66	WIRE,STRND,12AWG,IPVC UL3317	A/R	A/R	A/R	A/R	A/R
21	21		9107787-66	WIRE,STRND,14AWG UL3317 B	A/R	A/R	A/R	A/R	A/R
22	22		9107787-11	WIRE,STRND,14AWG UL3317 B	A/R	A/R	A/R	A/R	A/R
23	23		9107786-11	WIRE,STRND,18AWG UL1430 B	A/R	A/R	A/R	A/R	A/R
24	24		9107786-66	WIRE,STRND,18AWG UL1430 B	A/R	A/R	A/R	A/R	A/R
25	25		9107786-44	WIRE,STRND,18AWG UL1430 Y	-	-	-	A/R	A/R
26	26		9009695-07	TERM SPADE 1POS INSULATED,12-16	4	4	4	3	3
27	27		9009695-08	TERM SPADE 1POS INSULATED,16-14	2	2	2	5	5
28	28		9009695-00	TERM SPADE 1POS INSULATED,16-14	10	10	10	11	11
29	29		9009695-05	TERM SPADE 1POS INSULATED,22-16	5	5	5	4	4
30	30		9009695-02	TERM SPADE 1POS INSULATED,12-16	3	3	3	3	3

REVISION HISTORY			BASIC PART NO: 7017019			DGN: JUDY SLEZ			DATE: 12-OCT-79			DIGITAL		
ENG	ECO NUMBER	REV	SECTION A OF A											
---	INITIAL	A	SECTION. VARIATION INDEX			CHK'D: GEORGE HOVEY			DATE: 12-OCT-79			TITLE PARTS LIST		
TO	872-ML001	B	[A] 00,01,02,03,04									REAR PANEL ASSY		
			[B]			DES.ENG.: TOM ORR			DATE: 12-OCT-79					
			[C]									DOCUMENT NUMBER		
			[D]			RESP.ENG.: TOM ORR			DATE: 12-OCT-79			SIZE CODE NUMBER REV		
			[E]			MFG.ENG.: GLEN ARMBRUSTER			DATE: 12-OCT-79			K PL 7017019-0-DBP B		
			[F]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME: EDIT #		
						E-UA-872-0-0			K-PL-872-0-DBP			Z1013B.PLS 7		
*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION *														

AUTOMATED BY PRTLST.3L(37)

PARTS LIST

SHEET A2 OF A2

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION				
					00	01	02	03	04
31	31		9007970-00	TERM QUICK 1POS INSULATED 22-18	-	-	-	5	5
32	32		9009228-10	SCREW, SEMS, PHILLIP PAN HD. 10-	1	1	1	1	1

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							REAR PANEL ASSY		K	PL	7017019-0-DBP	B

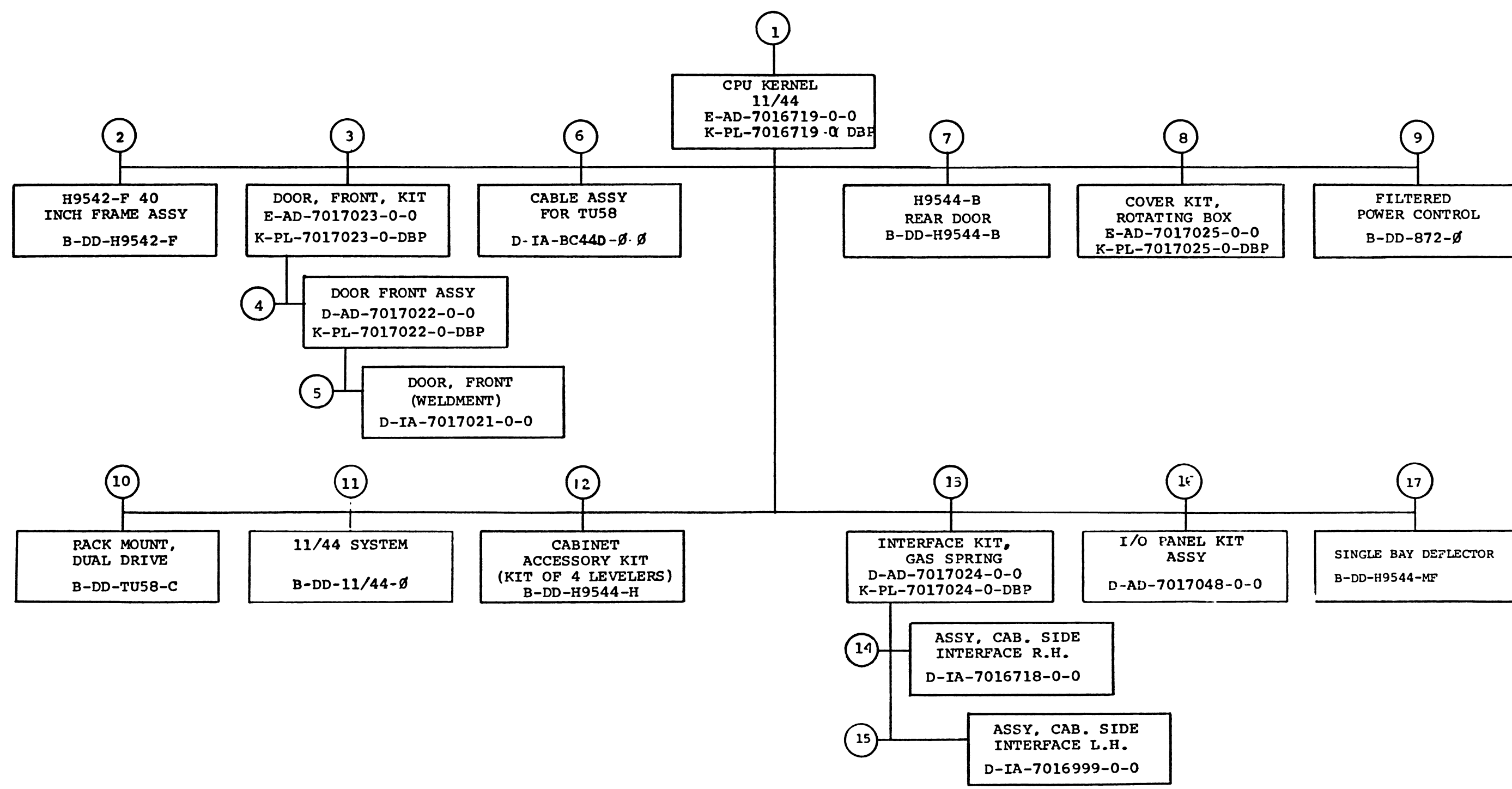
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION				
					00	01	02	03	04
1	1	E-IA-7422921-0-0	7422921-00	PANEL,FRONT	1	1	1	1	1
2	2	A-PS-1212124-0-0	1212124-04	CKT BKR 15.0 A 240V 2P SERIES TR	1	1	-	-	-
3	3	A-PS-1212124-0-0	1212124-05	CKT BKR 20.0 A 240V 2P SERIES TR	-	-	1	-	-
4	4	A-PS-1211196-0-0	1211196-02	CKT BKR 20,20,30A 277V 3P SERIES	-	-	-	1	1
5	5	A-PS-1213070-0-0	1213070-00	FILTER,LINE 110-220V,50-60HZ 112	1	1	1	1	1
6	6	A-PS-1205303-0-0	1205303-00	LAMP, PILOT IND DEVICES #1020A	1	-	1	1	-
7	7	A-PS-1202556-0-0	1202556-00	LAMP, PILOT IND DEVICES #1020B	-	1	-	-	1
8	8	D-AD-7015605-0-0	7015605-00	CONTROL BD ASSY	1	1	1	1	1
9	9	C-IA-7422924-0-0	7422924-00	COVER PLATE	1	1	1	-	-
10	10	C-IA-7017046-0-0	7017046-00	HARNESS, CONTROL BOARD	1	1	1	1	1
11	11		1215566-00	CLAMP, CABLE	1	1	1	-	-
12	12		1215566-01	CLAMP, CABLE	-	-	-	1	1
13	13		9010174-01	SCREW, SEMS, PHILLIPS FAN HD 8-3	2	2	2	2	2
14	14		9010174-00	SCREW, SEMS, PHILLIPS FAN HD 4-3	11	11	11	11	11
15	15		9010074-00	SCREW,TAPPING,TYPE F,HEX ,WASH,	2	2	2	2	2
16	16		9006565-00	NUT,KEP , 10-32X 3/8 AF	2	2	2	2	2
17	17		9009695-07	TERM SPADE 1POS INSULATED,12-16	1	1	1	1	1
18	18		9009695-02	TERM SPADE 1POS INSULATED,12-16	1	1	1	1	1
19	19		9009695-00	TERM SPADE 1POS INSULATED,16-14	1	1	1	2	2
20	20		9009695-08	TERM SPADE 1POS INSULATED,16-14	1	1	1	1	1
21	21		9007926-01	TERM RING 1POS INSULATED,12-10	2	2	2	2	2
22	22		9107778-54	WIRE,STRND,12AWG,IPVC UL3317	A/R	A/R	A/R	A/R	A/R
23	23		9107380-66	WIRE,STRND,12AWG,IPVC UL3317	A/R	A/R	A/R	A/R	A/R
24	24		9107787-11	WIRE,STRND,14AWG UL3317 B	A/R	A/R	A/R	A/R	A/R
25	25	A-PS-3612680-0-0	3612680-00	DECAL, GROUND SIGN PER 3E6 *	1	1	1	1	1
26	26		9006636-00	WASHER,LOCK,INT,.3800D X .200ID	2	2	2	2	2
27	27		9006633-00	*** THIS ITEM IS NOT USED ***	-	-	-	-	-
28	28		9009695-05	TERM SPADE 1POS INSULATED,22-16	2	2	2	2	2

REVISION HISTORY		BASIC PART NO: 7017020		DRN: JUDY SLEZ		DATE: 15-OCT-79		DIGITAL	
ENG	ECO NUMBER	REV	SECTION A OF A						
---	INITIAL	A	SECTION. VARIATION INDEX	CHK'D:	GEORGE HOVEY	DATE:	15-OCT-79	TITLE PARTS LIST	
TO	872-ML001	B	[A] 00,01,02,03,04					FRONT PANEL ASSY	
			[B]	DES.ENG.:	TOM ORR	DATE:	15-OCT-79		
			[C]					DOCUMENT NUMBER	
			[D]	RESP.ENG.:	TOM ORR	DATE:	15-OCT-79	SIZE	CODE
			[E]	MFG.ENG.:	GLEN ARMBRUSTER	DATE:	15-OCT-79	K	PL
			[F]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:	EDIT #
				E-AD-7017020-0-0		B-DD-872-0-0		Z1014B.PLS	10
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION									

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION

[illegible]

REVISIONS		CHANGE NO.	REV.	digital										
CHK	TWDD	A												
USED ON OPTION/MODEL			DRN.	DATE	TITLE									
11X44	D. HEALY	30MAY79												
			CHK'D.	DATE	CPU KERNEL 11/44									
			PROJ. ENG.	DATE	SIZE CODE NUMBER REV									
			PROD.	DATE	B DD 7016719-0 A									
SHEET 1 OF 4					DIST.									

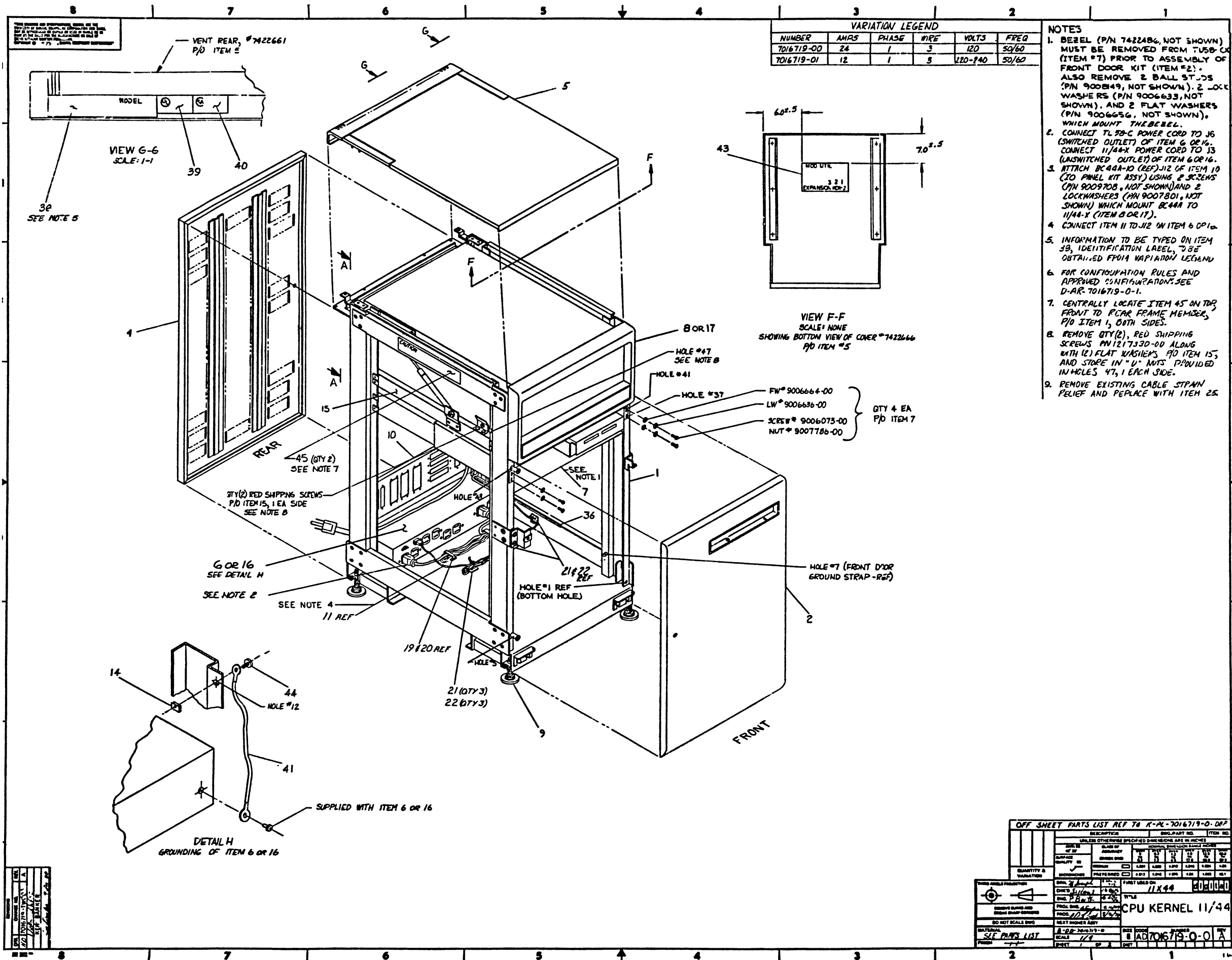


333

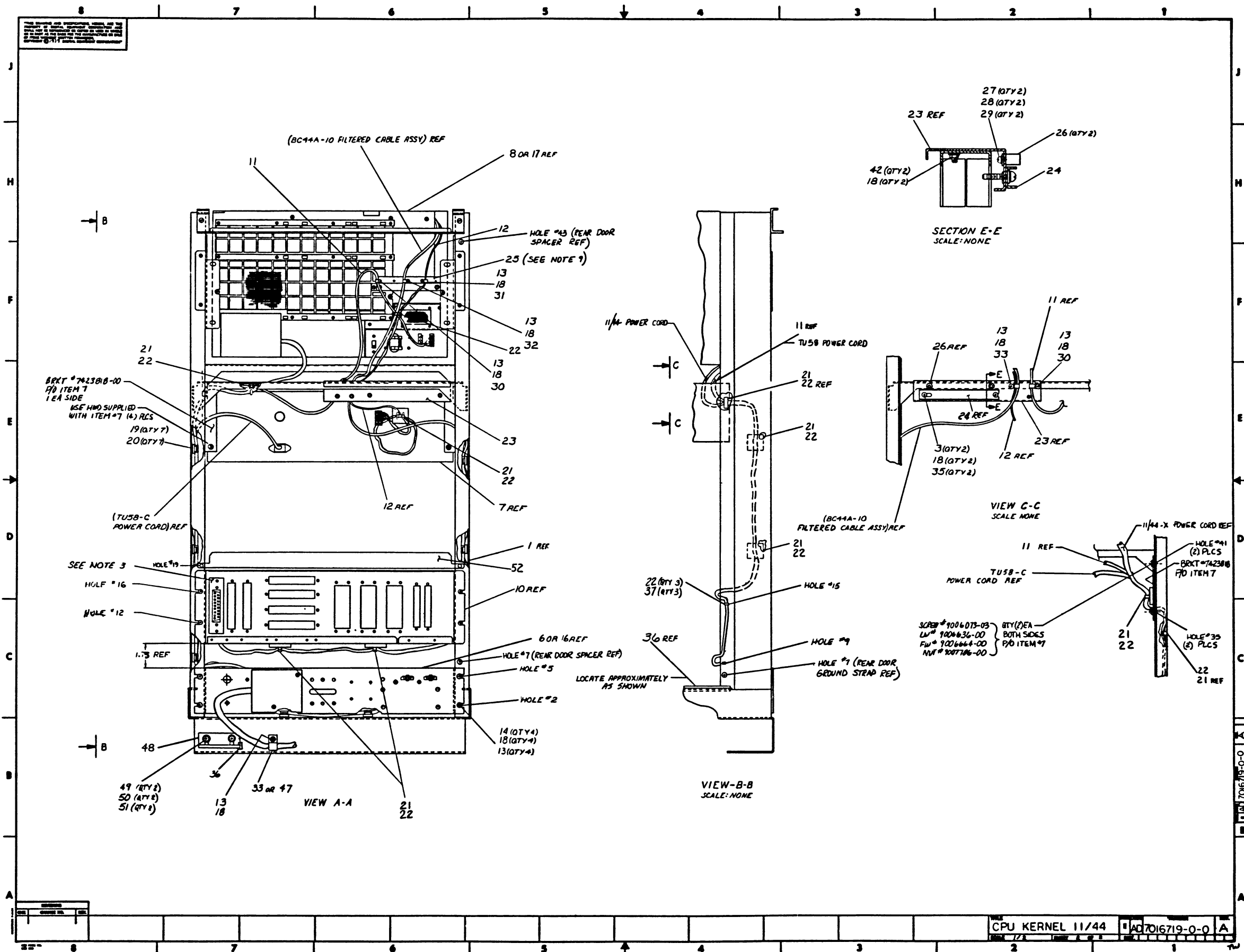
TITLE	SHEET 2 OF 4	SIZE CODE	NUMBER	REV
CPU KERNEL 11/44		B DD	7016719-Ø	A

TW

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE		
1	E-AD-7016719-0-0	CPU KERNEL 11/44	E/M						
	K-PL-7016719-0-DBP	CPU KERNEL 11/44 (PL)	E/M						
	D-AR-7016719-0-1	11/44 CPU KERNEL	REF						
	C-IA-7008288-0-0	CABLE ASSY	E/M	6	D-IA-BC44D-Ø-Ø	CABLE ASSY FOR TU58	E/M		
	D-IA-7422997-0-0	PLATE, CABLE TIE	M						
	C-MD-7422996-0-0	BRACKET, CABLE TIE	M						
	C-MD-7422995-0-0	BRACKET, STRAIN RELIEF	M						
	A-PS-3613210-0-0	LABEL	M						
	A-DC-7416197-0-0	DECAL	M	7	B-DD-H9544-B	H9544-B REAR DOOR	M		
	A-PS-3613211-0-0	LABEL	M						
	A-PS-3616928-0-0	LABEL, MU	M						
	A-PS-3617250-0-0	LABEL	M						
				8	E-AD-7017025-0-0	COVER KIT (ROTATING BOX)	M		
					K-PL-7017025-0-DBP	COVER KIT (ROTATING BOX) (PL)	M		
					E-IA-7422666-0-0	COVER, REMOVABLE TOP	M		
					D-MD-7422645-0-0	BRACKET, TOP COVER	M		
					D-IA-7422661-0-0	VENT, REAR	M		
					D-MD-7422646-0-0	BRACKET, REAR VENT	M		
					C-MD-7422653-0-0	BRACKET, TRIM STRIP SUPPORT	M		
					C-IA-7422654-0-0	STRIP, TRIM	M		
2	B-DD-H9542-F	H9542-F 40 INCH FRAME ASSY	M						
3	E-AD-7017023-0-0	DOOR FRONT KIT	M	9	B-DD-872-0	FILTERED POWER CONTROL	E/M		
	K-PL-7017023-0-DBP	DOOR FRONT KIT (PL)	M						
	C-MD-7422262-0-0	BRACKET, FRONT DOOR PIVOT	M						
	C-MD-7422264-0-0	BRACKET, TOP PIVOT	M						
	C-MD-7422222-0-0	BRACKET, DOOR LOCK	M						
	B-AD-7016703-0-0	STOP, DOOR	M	10	B-DD-TU58-C	RACK MOUNT, DUAL DRIVE	E/M		
	E-MD-7422951-0-0	BEZEL, DOOR MOUNTED	M						
	A-SS-7422951-0-1	BEZEL, DOOR MOUNTED, (ARTWORK)	M						
	C-IA-7422267-0-0	BRACKET, DOOR LOCK MOUNTING	M						
				11	B-DD-11/44-0	11/44 SYSTEM	E/M		
4	D-AD-7017022-0-0	DOOR FRONT ASSY	M						
	K-PL-7017022-0-DBP	DOOR FRONT ASSY (PL)	M						
5	D-IA-7017021-0-0	DOOR, FRONT (WELDMENT)	M	12	B-DD-H9544-H	CABINET ACCESSORY KIT (KIT OF 4 LEVELERS)	M		
	D-MD-7422922-0-0	DOOR, FRONT, WITH CUTOUT	M						
	C-MD-7422277-0-0	BRKT. HINGE, FRONT DOOR TOP	M						
	C-IA-7422263-0-0	BRACKET, FRONT DOOR MTG.	M						
TYPE E ELECTRICAL M MECHANICAL E M ELECTRO/MECHANICAL				TITLE CPU KERNEL 11/44		SHEET 3 OF 4	SIZE CODE B DD	NUMBER 7016719-0	REV A



337



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					00	01
1	1	E-UA-H9542-F-0	H9542-FE	H9542-F 40 INCH FRAME ASSY	1	1
2	2	E-AD-7017023-0-0	7017023-00	DOOR,FRONT,KIT	1	1
3	3		9009896-00	WASHER, LOCK, INT. TOOTH #10 SS	2	2
4	4	E-UA-H9544-B-0	H9544-BA	40" REAR DOOR W LOCK, FULLY LOUV	1	1
5	5	D-AD-7017025-0-0	7017025-00	COVER KIT (ROTATING BOX)	1	1
6	6	E-UA-00872-0-0	00872-D	120V 24A FILTERED POWER CONTROL	1	-
7	7	E-UA-TU58-0-0	0TU58-CX	TU58-CA W NO DATA CABLES,120V/24	1	1
8	8	E-UA-11/44-0-0	11/44-XX	KD11-Z,KK11-B,NO MEMORY,BA11-AA,	1	-
9	9	E-UA-H9544-4-0	H9544-HB	KIT OF 4 LEVELERS	1	1
10	10	D-AD-7017048-0-0	7017048-00	I/O PANEL KIT ASSY	1	1
11	11	C-IA-7008288-0-0	7008288-8F	CABLE ASSY PDP-11	1	1
12	12	D-IA-BC44D-0-0	BC44D-09	CABLE ASSY, FOR TU58	1	1
13	13		9009700-00	SCREW, SEMS, PHILLIPS TRUSS HD 1	11	11
14	14		9007786-00	RETAINER, U-NUT, 10-32	5	5
15	15	D-AD-7017024-0-0	7017024-00	GAS SPRING INTERFACE KIT	1	1
16	16	E-UA-00872-0-0	00872-B	240V 12A FILTERED POWER CONTROL	-	1
17	17	E-UA-11/44-0-0	11/44-XY	KD11-Z,KK11-B,NO MEMORY,BA11-AB,	-	1
18	18		9006664-00	WASHER, FLAT, .437 OD X .218 ID	15	15
19	19	A-PS-1215843-0-0	1215843-01	CLIP,FLAT CABLE W/ADHESIVE BK	7	7
20	20	A-PS-1213716-0-0	1213716-01	SPACER,FOAM FOR FLAT WIRE CLIP	7	7
21	21		9008264-00	MOUNT, CABLE TIE, ADHESIVE BACKE	10	10
22	22		9007032-00	TIE,CABLE BUNDL,DIA 0-1-3/4"=101	14	14
23	23	D-IA-7422997-0-0	7422997-00	PLATE CABLE TIE	1	1
24	24	C-MD-7422996-0-0	7422996-00	BRKT., CABLE TIE	1	1
25	25	C-MD-7422995-0-0	7422995-00	BRKT. STRAIN RELIEF	1	1
26	26		9007660-00	SPACER, FIBER, RND, 4-40, .250 X	2	2
27	27		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	2	2
28	28		9006688-00	WASHER, LOCK, S.S. #4	2	2
29	29		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	2	2
30	30		9007079-00	CLAMP, CABLE, SCREW MNT, 1/8"	2	2

REVISION HISTORY			BASIC PART NO: 7016719			DRN: MICHAEL JOSEPH			DATE: 14-AUG-79			D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A												
---	INITIAL	*	SECTION, VARIATION INDEX			CHK'D: D. HEALY			DATE: 14-AUG-79			TITLE PARTS LIST			
K.B	TW003	A	[A] 00,01									CPU KERNEL 11/44			
			[B]			DES.ENG.: PHIL BARTH			DATE: 14-AUG-79						
			[C]									DOCUMENT NUMBER			
			[D]			RESP.ENG.: KEN BANKER			DATE: 14-AUG-79			SIZE CODE NUMBER REV			
			[E]			MFG.ENG.: AL TSHUDY			DATE: 14-AUG-79			K	PL	7016719-0-DBP	A
			[F]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:			EDIT #
						E-AD-7016719-0-0			B-DD-7016719-0			Z0329.PLS			14
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION															

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
					00	01
31	31		9007080-00	CLAMP,CABLE,SCREW MTD. 3/16"	1	1
32	32		9007082-00	CLAMP,CABLE,SCREW MTD. 5/16"	1	1
33	33		9007083-00	CLAMP,CABLE,SCREW MTD. 3/8 "	2	3
34	34		9006564-00	NUT,HEX , 10-32X3/8 AF X 1/	1	1
35	35		9006077-01	SCREW,PAN,PHIL 10-32X1 SS	2	2
36	36		9009718-00	GROMMET, STRIP, 14"	1	1
37	37		9007867-00	MOUNT, PUSH,CABLE TIE	3	3
38	38	A-PS-3613210-0-0	3613210-00	LABEL,ELECTRICAL DATA	1	1
39	39	A-PS-7416197-0-0	7416197-01	DECAL	1	1
40	40	A-PS-3613211-0-0	3613211-01	DECAL,CLEAR PREPRINTED CSA 1-1/4	1	1
41	41	A-PS-1213756-0-0	1213756-07	GROUND STRAP	1	1
42	42		9006565-00	NUT,KEP , 10-32X 3/8 AF	2	2
43	43	A-PS-3616928-0-0	3616928-00	LABEL,MODULE UTILIZATION 11/44	1	1
44	44		9010156-00	SCREW,HEX,SLOT,SEMS10-32X 1/2,W	1	1
45	45	A-PS-3617250-0-0	3617250-00	LABEL,CAUTION,STABILITY H9542	2	2
46	46	D-AR-7016719-0-1		11/44 CPU KERNAL IN H9542 CAB	REF	REF
47	47		9007087-00	CLAMP,CABLE,SCREW MTD. 5/8 "	1	0
48	48	C-MD-7422221-0-0	7422221-00	BRKT,DOOR HINGE/END PANEL LOCK	1	1
49	49		9006243-09	SCREW,HEX 1/4-20X 3/4	2	2
50	50		9006676-00	WASHER, FLAT, .625 OD X .281 ID	2	2
51	51		9007797-00	WASHER, LOCK, S.S. 1/4	2	2
52	52	D-UA-H9544-MF-0	H9544-MF	SINGLE BAY DEFLECTOR ASSY.	1	1

D I G I T A L										TITLE										CPU KERNEL 11/44										SECTION A OF A										SIZE CODE										DOCUMENT NUMBER										REV										K PL 7016719-0-DBP										A									
---------------	--	--	--	--	--	--	--	--	--	-------	--	--	--	--	--	--	--	--	--	------------------	--	--	--	--	--	--	--	--	--	----------------	--	--	--	--	--	--	--	--	--	-----------	--	--	--	--	--	--	--	--	--	-----------------	--	--	--	--	--	--	--	--	--	-----	--	--	--	--	--	--	--	--	--	--------------------	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--	--

339

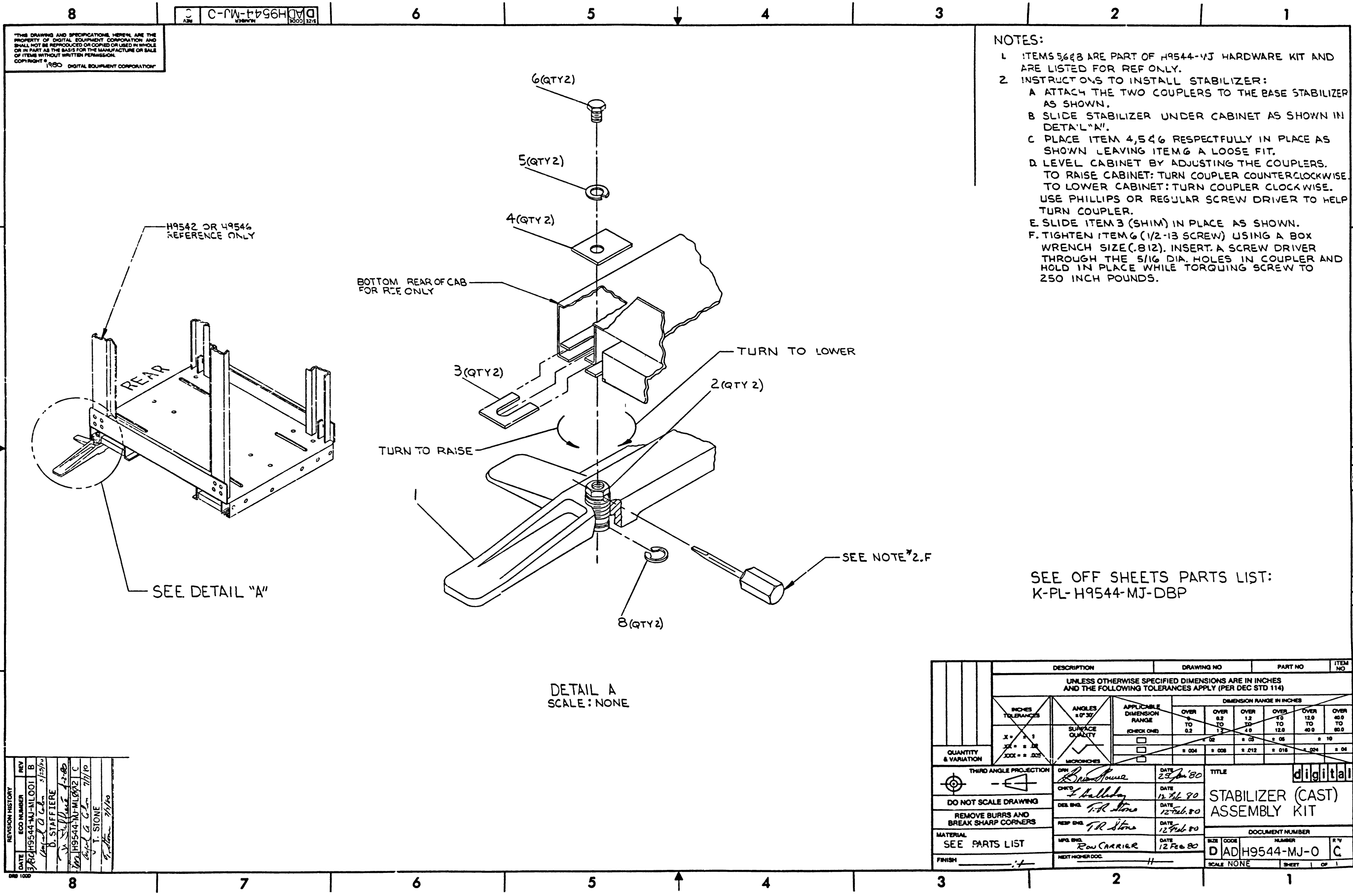
TW

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION 00
1	1	A-PS-1216166-0-0	1216166-00	SPRING,GAS,DOUBLE DAMPED	2
2	2	C-MD-7422638-0-0	7422638-00	STOP,TIE DOWN	1
3	3	D-IA-7016718-0-0	7016718-00	ASSY,CAB SIDE INTERFACE,R.H.	1
4	4	D-IA-7016999-0-0	7016999-00	ASSY,CAB SIDE INTERFACE L.H.	1
5	5	B-MD-7422639-0-0	7422639-00	BRKT,CENTERING & TIE DOWN	2
6	6	D-MD-7422642-0-0	7422642-00	BRKT CAB REAR INTERFACE R.H.	1
7	7	D-MD-7422642-0-0	7422642-01	BRKT CAB REAR INTERFACE L.H.	1
8	8	D-MD-7422644-0-0	7422644-00	BRKT, PIVOT R.H.	1
9	9	D-MD-7422644-0-0	7422644-01	BRKT, PIVOT L.H.	1
10	10	B-MD-7422640-0-0	7422640-00	PIN,PIVOT	2
11	11	C-MD-7422641-0-0	7422641-00	BRKT. BOX INTERFACE (R.H.)	1
12	12	C-MD-7422641-0-0	7422641-01	BRKT. BOX INTERFACE (L.H.)	1
13	13	A-PS-1216627-0-0	1216627-00	STUD,BALL 10MM 1.038	4
14	14	A-PS-1216633-0-0	1216633-00	SCREW,HEX 5/16-24X 1/2	4
15	15		9007788-00	WASHER, LOCK S.S. 3/8	6
16	16		9009700-00	SCREW, SEMS, PHILLIPS TRUSS HD 1	21
17	17		9007786-00	RETAINER, U-NUT, 10-32	23
18	18		9007898-00	NUT,KEP ,5/16-24 X1/2 AF	2
19	19		9006664-00	WASHER, FLAT, .437 OD X .218 ID	10
20	20		9009545-01	SCREW, SEMS, PHILLIPS PAN HD.,8-	4
21	21		9006660-00	WASHER, FLAT, .375 O.D. X .187 I	4
22	22		9009579-00	RING, RETAINING, EXTERNAL FOR 5/	2
23	24		9000003-02	WASHER,FLAT,NYLON, .75 OD X .385	2
24	25		9007872-00	FOOT LEVELER GRY/PLAS BASE CAPS	1
25	26	A-PS-1215806-0-0	1215806-02	CLIP,SAFETY	4
26	27		9009228-10	SCREW, SEMS, PHILLIP PAN HD. 10-	4
27	28		9006074-01	SCREW,PAN,PHIL 10-32X 5/8 SS	4
28	29		9009896-00	WASHER, LOCK, INT. TOOTH #10 SS	4
29	30		1217330-00	SCREW, SEMS, PHILLIPS TRUSS HD10	2

REVISION HISTORY			BASIC PART NO: 7017024		DWN: MICHAEL JOSEPH		DATE: 14-AUG-79		DIGITAL					
ENG	ECO NUMBER	REV	SECTION A OF A											
---	INITIAL	*	SECTION. VARIATION INDEX		CHK'D: D. HEALY		DATE: 14-AUG-79		TITLE PARTS LIST					
---	7017024-ML001	A	[A] 00						INTERFACE KIT, GAS SPRING					
E.R	7016719-ML002	B												
K.B	7016719-TW003	C	[B]		DES.ENG.: PHIL BARTH		DATE: 14-AUG-79							
E.R	7017024-TW002	D							DOCUMENT NUMBER					
			[C]		RESP.ENG.: KEN BANKER		DATE: 14-AUG-79		SIZE			CODE	NUMBER	REV
			[D]						K	PL	7017024-0-DBP	D		
			[E]		MFG.ENG.: AL TSHUDY		DATE: 14-AUG-79							
			[F]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #			
					D-AD-7017024-0-0		D-AD-7017024-0-0		Z0512.PLS		25			
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.														
COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION														

341

TW



- NOTES:
- 1. ITEMS 5, 6 & 8 ARE PART OF H9544-VJ HARDWARE KIT AND ARE LISTED FOR REF ONLY.
 - 2. INSTRUCTIONS TO INSTALL STABILIZER:
 - A. ATTACH THE TWO COUPLERS TO THE BASE STABILIZER AS SHOWN.
 - B. SLIDE STABILIZER UNDER CABINET AS SHOWN IN DETAIL "A".
 - C. PLACE ITEM 4, 5 & 6 RESPECTFULLY IN PLACE AS SHOWN LEAVING ITEM 6 A LOOSE FIT.
 - D. LEVEL CABINET BY ADJUSTING THE COUPLERS. TO RAISE CABINET: TURN COUPLER COUNTERCLOCKWISE. TO LOWER CABINET: TURN COUPLER CLOCKWISE. USE PHILLIPS OR REGULAR SCREW DRIVER TO HELP TURN COUPLER.
 - E. SLIDE ITEM 3 (SHIM) IN PLACE AS SHOWN.
 - F. TIGHTEN ITEM 6 (1/2-13 SCREW) USING A BOX WRENCH SIZE (.812). INSERT A SCREW DRIVER THROUGH THE 5/16 DIA. HOLES IN COUPLER AND HOLD IN PLACE WHILE TORQUING SCREW TO 250 INCH POUNDS.

REVISION HISTORY	
DATE	DESCRIPTION
12/1/80	REVISED TO ADD DETAIL A
12/1/80	REVISED TO ADD DETAIL B
12/1/80	REVISED TO ADD DETAIL C
12/1/80	REVISED TO ADD DETAIL D
12/1/80	REVISED TO ADD DETAIL E
12/1/80	REVISED TO ADD DETAIL F
12/1/80	REVISED TO ADD DETAIL G
12/1/80	REVISED TO ADD DETAIL H
12/1/80	REVISED TO ADD DETAIL I
12/1/80	REVISED TO ADD DETAIL J

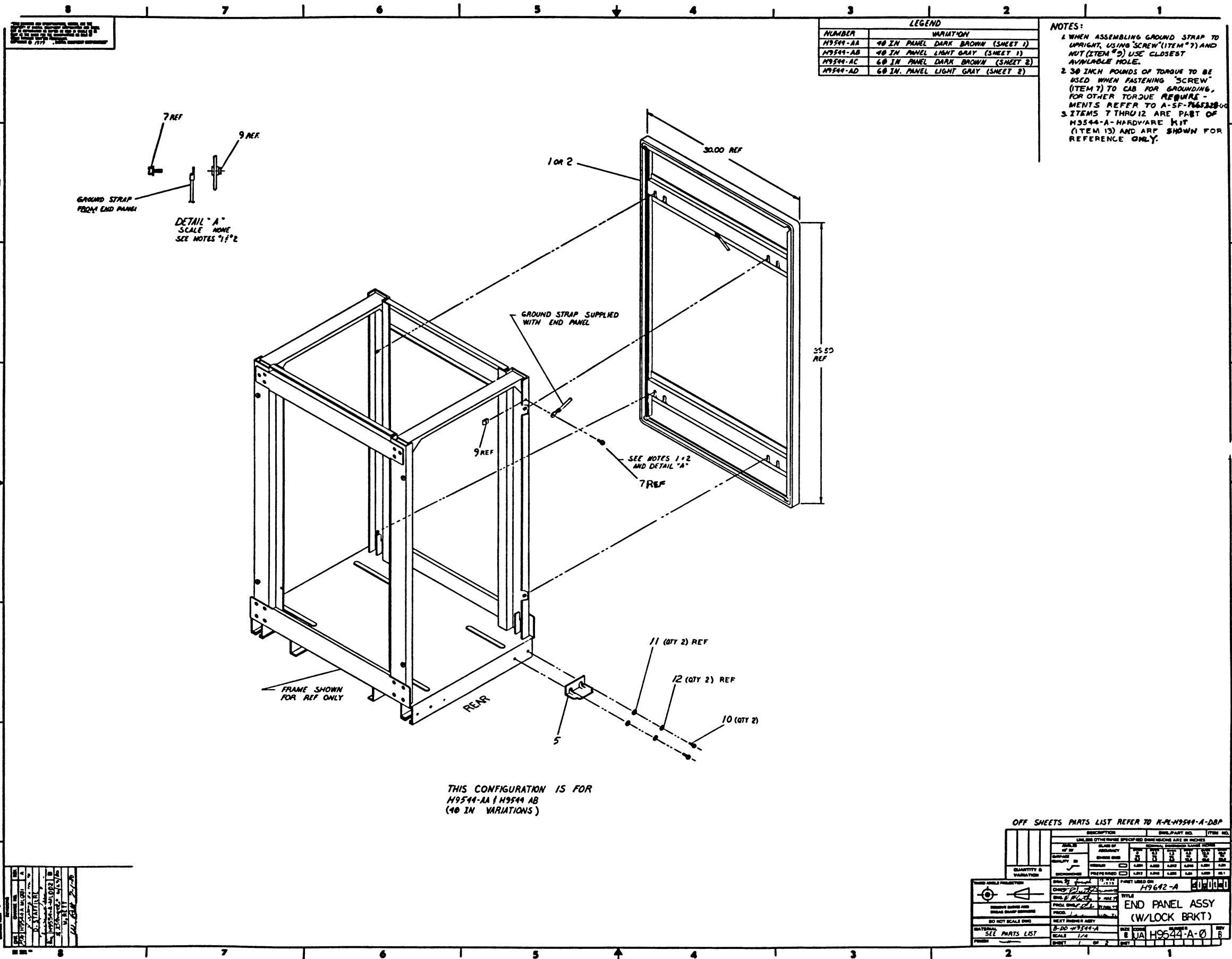
		DESCRIPTION		DRAWING NO		PART NO		ITEM NO		
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)								
		INCHES TOLERANCES	ANGLES ± (° 30')	APPLICABLE DIMENSION RANGE (CHECK ONE)	DIMENSION RANGE IN INCHES					
					OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 3.0	OVER 3.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 60.0
X = ± .1		SURFACE QUALITY	☐	☐						
XXX = ± .005			☐	☐						
QUANTITY & VARIATION		MICROINCHES	☐	☐						
			☐	☐						
THIRD ANGLE PROJECTION		OWN	DATE		TITLE		digital			
		DRN	25 Jan '80		STABILIZER (CAST) ASSEMBLY KIT					
DO NOT SCALE DRAWING		CHKD	12 Feb 80							
REMOVE BURRS AND BREAK SHARP CORNERS		DESI ENGL	12 Feb 80							
MATERIAL		RESP ENGL	12 Feb 80							
SEE PARTS LIST		INFO ENGL	12 Feb 80							
FINISH		NEXT HIGHER DOC		SCALE NONE		SHEET		OF 1		

343

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION MJ
1	1	E-MD-7424063-0-0	7424063-00	CASTING, STABLIZER	1
2	2	C-MD-7424074-0-0	7424074-00	COUPLER	2
3	3	C-MD-7423352-0-0	7423352-00	SHIM	2
4	4	C-MD-7423349-0-0	7423349-00	WASHER, RECTANGULAR	2
5	5		9009895-00	WASHER, LOCK, SPLIT, .518 ID X .	REF
6	6		9000043-02	SCREW, HEX 1/2-13X 3/4	REF
7	7		2200032-00	HARDWARE KIT FOR H9544-MJ	1
8	8		9009703-00	RING, RETAINING, EXTERNAL FOR 7/	REF
9	9	A-SP-3700548-0-0	3700548-00	PKG KIT OPTION H9544 STABILIZER	1

10 NOTE: ITEM 5,6, & 8 ARE PART OF H9544-MJ HARDWARE KIT AND ARE LISTED FOR REF ONLY.

REVISION HISTORY			BASIC PART NO: H9544		DRN: D. DIPERRI		DATE: 22-AUG-79		DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A									
---	INITIAL	A	SECTION. VARIATION INDEX		CHK'D: F. KEYES		DATE: 01-OCT-79		TITLE PARTS LIST			
IDS	H9544-MJ-ML001	B	[A] MJ						STABILIZER KIT ASSY			
ITS	H9544-MJ-ML002	C										
			[B]		DES.ENG.: T. STONE		DATE: 01-OCT-79					
			[C]						DOCUMENT NUMBER			
			[D]		RESP.ENG.: T. STONE		DATE: 01-OCT-79					
			[E]		MFG.ENG.: V. ADAMETZ		DATE: 02-OCT-79		K	PL	H9544-MJ-DBP	C
			[F]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
					D-UA-H9544-MJ-0		B-DD-H9544-0-0		Z0955C.FLS		10	
*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION *												



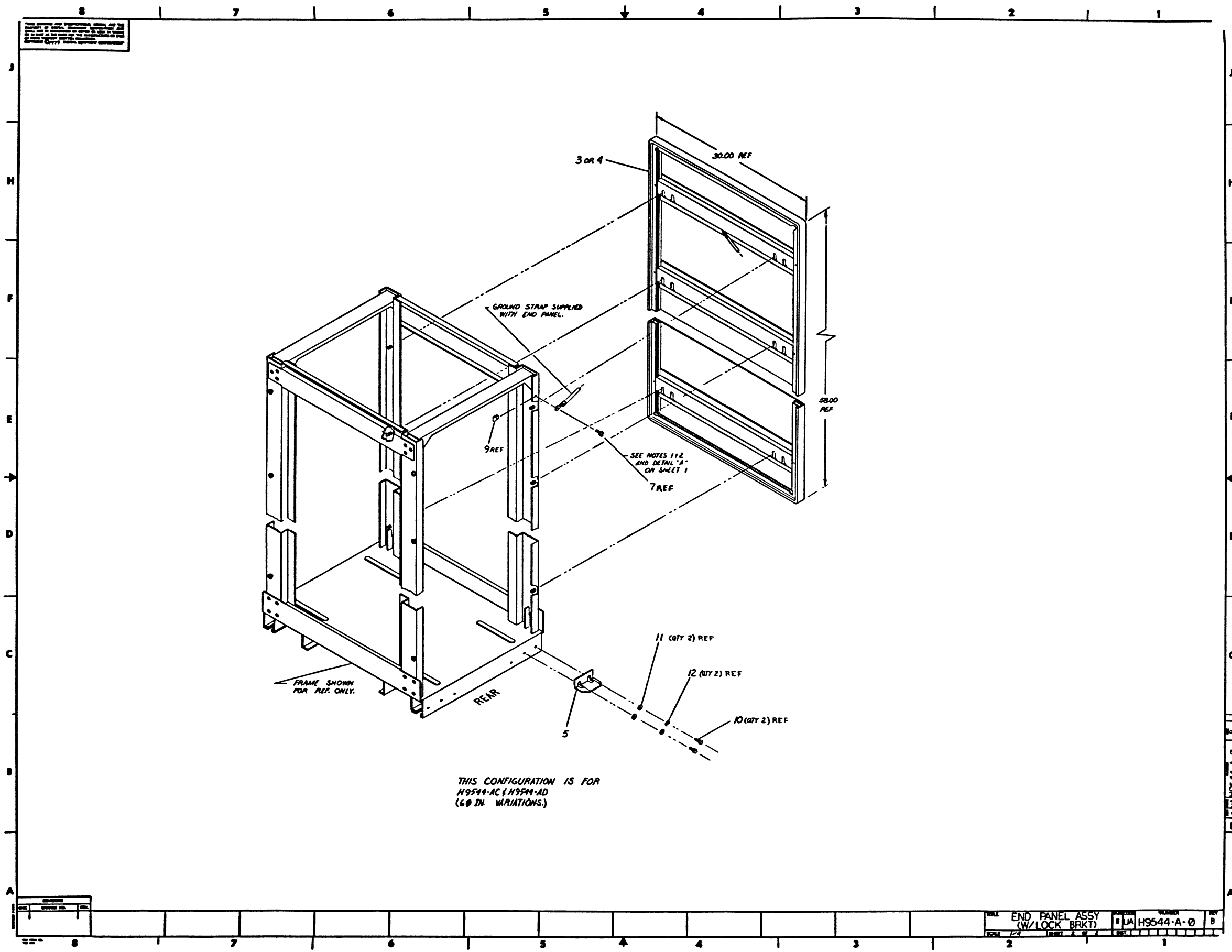
LEGEND	
NUMBER	VARIATION
H9544-AA	40 IN PANEL DARK BROWN (SHEET 1)
H9544-AB	40 IN PANEL LIGHT GRAY (SHEET 1)
H9544-AC	60 IN PANEL DARK BROWN (SHEET 2)
H9544-AD	60 IN PANEL LIGHT GRAY (SHEET 2)

NOTES:
1 WHEN ASSEMBLING GROUND STRAP TO UPRIGHT, USING "SCREW" (ITEM 7) AND NUT (ITEM 9) USE CLOSEST AVAILABLE HOLE.
2 30 INCH POUNDS OF TORQUE TO BE USED WHEN FASTENING "SCREW" (ITEM 7) TO CAB FOR GROUNDING. FOR OTHER TORQUE REQUIREMENTS REFER TO A-5F-7665320-00
3 ITEMS 7 THRU 12 ARE PART OF H9544-A-HARDWARE KIT (ITEM 13) AND ARE SHOWN FOR REFERENCE ONLY.

1	END PANEL ASSY (W/LOCK BRKT)	1
2	END PANEL ASSY (W/LOCK BRKT)	1
3	END PANEL ASSY (W/LOCK BRKT)	1
4	END PANEL ASSY (W/LOCK BRKT)	1
5	END PANEL ASSY (W/LOCK BRKT)	1
6	END PANEL ASSY (W/LOCK BRKT)	1
7	END PANEL ASSY (W/LOCK BRKT)	1
8	END PANEL ASSY (W/LOCK BRKT)	1
9	END PANEL ASSY (W/LOCK BRKT)	1
10	END PANEL ASSY (W/LOCK BRKT)	1
11	END PANEL ASSY (W/LOCK BRKT)	1
12	END PANEL ASSY (W/LOCK BRKT)	1
13	END PANEL ASSY (W/LOCK BRKT)	1
14	END PANEL ASSY (W/LOCK BRKT)	1
15	END PANEL ASSY (W/LOCK BRKT)	1
16	END PANEL ASSY (W/LOCK BRKT)	1
17	END PANEL ASSY (W/LOCK BRKT)	1
18	END PANEL ASSY (W/LOCK BRKT)	1
19	END PANEL ASSY (W/LOCK BRKT)	1
20	END PANEL ASSY (W/LOCK BRKT)	1

OFF SHEETS PARTS LIST REFER TO K-PL-H9544-A-D8P	
DESCRIPTION	QTY
1. END PANEL ASSY (W/LOCK BRKT)	1
2. END PANEL ASSY (W/LOCK BRKT)	1
3. END PANEL ASSY (W/LOCK BRKT)	1
4. END PANEL ASSY (W/LOCK BRKT)	1
5. END PANEL ASSY (W/LOCK BRKT)	1
6. END PANEL ASSY (W/LOCK BRKT)	1
7. END PANEL ASSY (W/LOCK BRKT)	1
8. END PANEL ASSY (W/LOCK BRKT)	1
9. END PANEL ASSY (W/LOCK BRKT)	1
10. END PANEL ASSY (W/LOCK BRKT)	1
11. END PANEL ASSY (W/LOCK BRKT)	1
12. END PANEL ASSY (W/LOCK BRKT)	1
13. END PANEL ASSY (W/LOCK BRKT)	1
14. END PANEL ASSY (W/LOCK BRKT)	1
15. END PANEL ASSY (W/LOCK BRKT)	1
16. END PANEL ASSY (W/LOCK BRKT)	1
17. END PANEL ASSY (W/LOCK BRKT)	1
18. END PANEL ASSY (W/LOCK BRKT)	1
19. END PANEL ASSY (W/LOCK BRKT)	1
20. END PANEL ASSY (W/LOCK BRKT)	1

345



TITLE		END PANEL ASSY (W/ LOCK BRKT)		QUANTITY		VALUEN		REV	
QTY		1		REV		1		B	
SCALE		1/4		SHEET		2 OF 2		REV	
2		1		1					

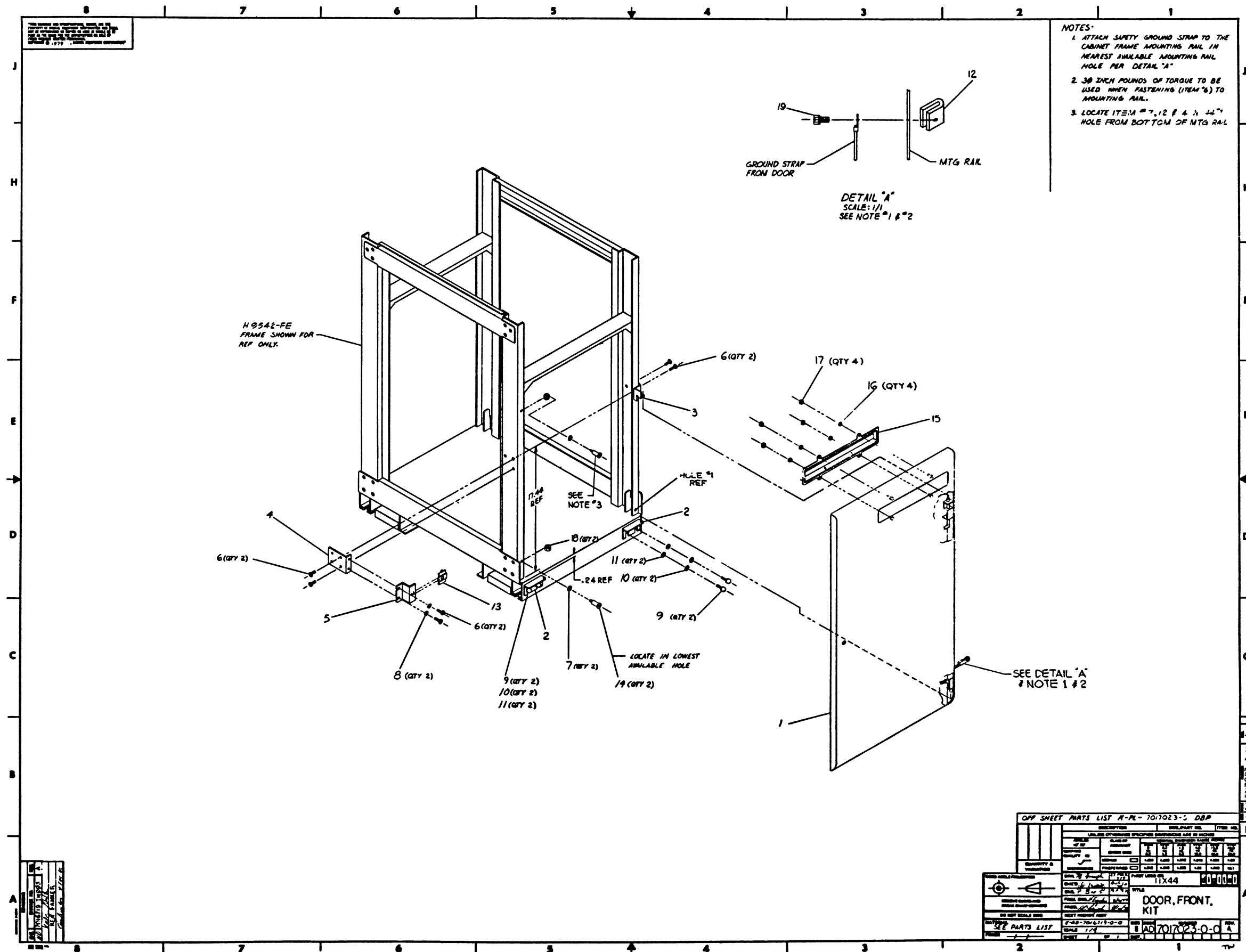
346

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION			
					AA	AB	AC	AD
1	1	E-AD-7016534-0-0	7016534-00	END PANEL ASSY	1	-	-	-
2	2	E-AD-7016534-0-0	7016534-01	PANEL ASSY,END	-	1	-	-
3	3	E-AD-7016699-0-0	7016699-00	END PANEL ASSY 60 INCH	-	-	1	-
4	4	E-AD-7016699-0-0	7016699-01	END PANEL ASSY 60IN LT GREY	-	-	-	1
5	5	C-MD-7422221-0-0	7422221-00	BRKT,DOOR HINGE/END PANEL LOCK	1	1	1	1
6	6	C-MD-7414318-0-0	7414318-00	*** THIS ITEM IS NOT USED ***	-	-	-	-
7	7		9010156-00	SCREW,HEX,SLOT,SEMS10-32X 1/2,W	REF	REF	REF	REF
8	8		9007651-00	*** THIS ITEM IS NOT USED ***	-	-	-	-
9	9		9007786-00	RETAINER, U-NUT, 10-32	REF	REF	REF	REF
10	10		9006243-09	SCREW,HEX 1/4-20X 3/4	REF	REF	REF	REF
11	11		9006676-00	WASHER, FLAT, .625 OD X .281 ID	REF	REF	REF	REF
12	12		9007797-00	WASHER, LOCK, S.S. 1/4	REF	REF	REF	REF
13	13		2200021-00	HARDWARE KIT FOR H9544-A	1	1	1	1

14 NOTE: ITEMS 7 THRU 12 ARE PART OF H9544-A HARDWARE KIT AND ARE ,
15 NOTE: LISTED FOR REFERENCE ONLY.

REVISION HISTORY			BASIC PART NO: H9544		DRN: M. JOSEPH		DATE: 16-MAR-79		DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A									
---	INITIAL	*	SECTION. VARIATION INDEX		CHK'D: S. ROBERTS		DATE: 16-MAR-79		TITLE PARTS LIST			
DS	H9544-A-ML001	A	[A] AA,AB,AC,AD						END PANEL ASSY (W. LOCK BRKT)			
WR	H9544-A-ML002	B										
			[B]		DES.ENG.: W. F. MC CARTHY		DATE: 16-MAR-79					
			[C]						DOCUMENT NUMBER			
			[D]		RESP.ENG.: P. DUBE		DATE: 16-MAR-79					
			[E]		MFG.ENG.: R. CARRIER		DATE: 16-MAR-79		SIZE	CODE	NUMBER	REV
			[F]						K	PL	H9544-A-DBP	B
					ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
					E-UA-H9544-A-0				Z0236B.PLS		14	

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION "

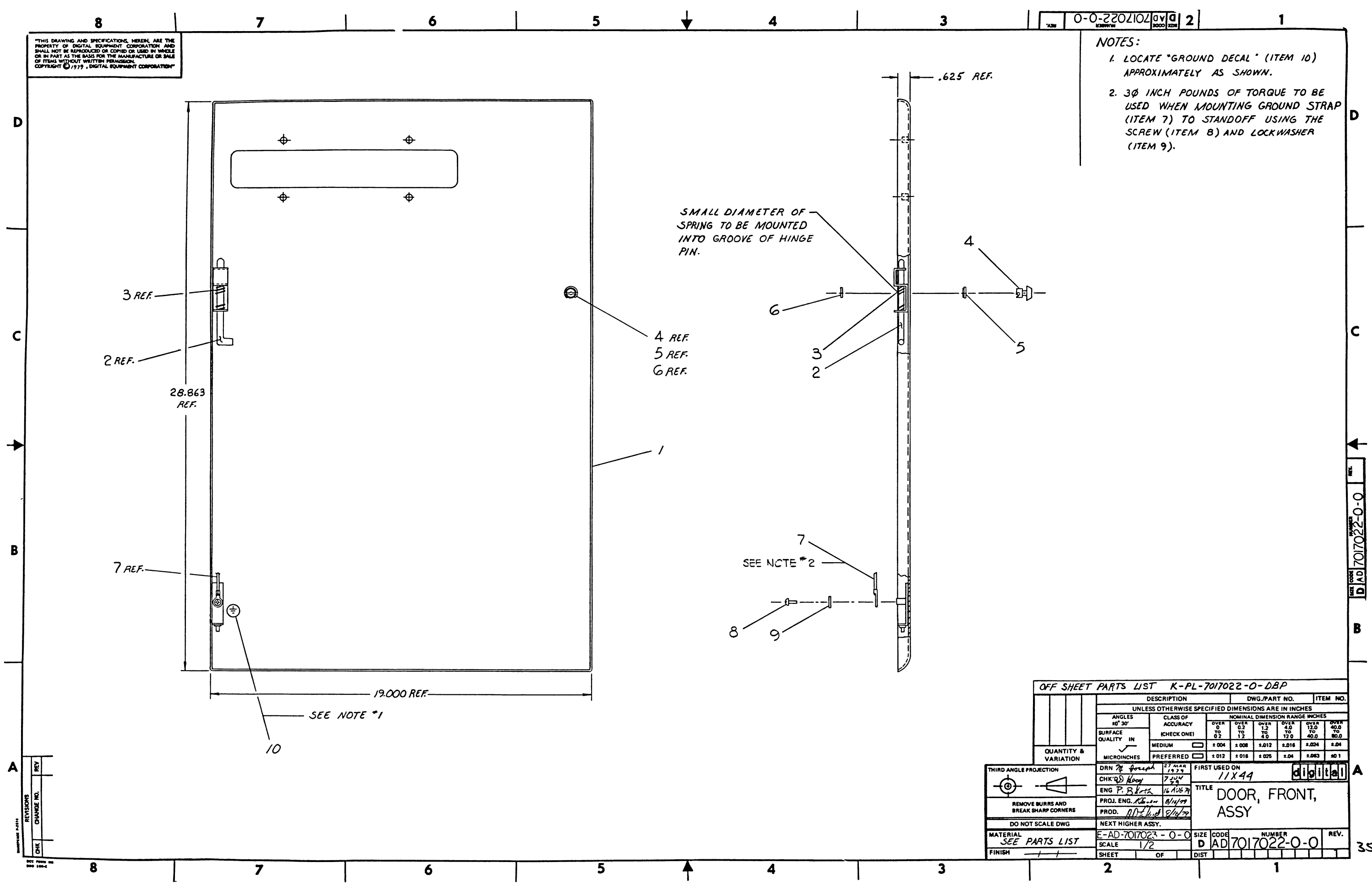


LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION 00
1	1	D-AD-7017022-0-0	7017022-00	DOOR,FRONT,ASSY	1
2	2	C-MD-7422262-0-0	7422262-00	BRACKET,FRONT DOOR PIVOT	2
3	3	C-MD-7422264-0-0	7422264-00	BRKT, TOP PIVOT	1
4	4	C-IA-7422267-0-0	7422267-00	BRKT,DOOR LOCK MTG	1
5	5	C-MD-7422222-0-0	7422222-00	BRACKET,DOOR LOCK	1
6	6		9009700-00	SCREW, SEMS, PHILLIPS TRUSS HD 1	6
7	7		9007906-00	WASHER, LOCK S.S. #10	2
8	8		9006664-00	WASHER, FLAT, .437 OD X .218 ID	2
9	9		9006243-09	SCREW,HEX 1/4-20X 3/4	4
10	10		9007797-00	WASHER, LOCK, S.S. 1/4	4
11	11		9006676-00	WASHER, FLAT, .625 OD X .281 ID	2
12	12		9007786-00	RETAINER, U-NUT, 10-32	1
13	13		1212972-02	SPRING,RECEPTACLE FASTENER 1/4 T	1
14	14	B-AD-7016703-0-0	7016703-02	STOP DOOR 1.62	2
15	15	E-MD-7422951-0-0	7422951-00	BEZEL,DOOR MOUNTED	1
16	16		9009949-00	WASHER, FLAT, .500 OD X .156 ID	4
17	17		9008185-00	NUT,KEP , 6-32X1/4 AF	4
18	18		9006565-00	NUT,KEP , 10-32X 3/8 AF	3
19	19		9010156-00	SCREW,HEX,SLOT,SEMS10-32X 1/2,W	1

REVISION HISTORY			BASIC PART NO: 7017023			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	MICHAEL JOSEPH	DATE:	14-AUG-79	
---	INITIAL	*	SECTION. VARIATION INDEX	CHK'D:	D. HEALY	DATE:	14-AUG-79	TITLE PARTS LIST
K.B	TW003	A	[A] 00					DOOR, FRONT, KIT
			[B]	DES.ENG.:	PHIL BARTH	DATE:	14-AUG-79	
			[C]	RESP.ENG.:	KEN BANKER	DATE:	14-AUG-79	DOCUMENT NUMBER
			[D]			SIZE	CODE	NUMBER
			[E]	MFG.ENG.:	AL TSHUDY	DATE:	14-AUG-79	K PL 7017023-0-DBP
			[F]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:	FILE NAME:	EDIT #
				E-AD-7017023-0-0		E-AD-7017023-0-0	Z0511.PLS	13
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION								

349

TW



"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979, DIGITAL EQUIPMENT CORPORATION"

- NOTES:
1. LOCATE "GROUND DECAL" (ITEM 10) APPROXIMATELY AS SHOWN.
 2. 30 INCH POUNDS OF TORQUE TO BE USED WHEN MOUNTING GROUND STRAP (ITEM 7) TO STANDOFF USING THE SCREW (ITEM 8) AND LOCKWASHER (ITEM 9).

OFF SHEET PARTS LIST K-PL-7017022-0-DBP

QUANTITY & VARIATION	DESCRIPTION	DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY IN	MEDIUM ☐ ±.004 ±.008 ±.012 ±.016 ±.024 ±.04	OVER 0 TO 0.2	OVER 0.2 TO 1.2
MICROINCHES	PREFERRED ☐ ±.012 ±.016 ±.025 ±.04 ±.063 ±.1	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
		OVER 12.0 TO 40.0	OVER 40.0 TO 80.0

THIRD ANGLE PROJECTION	DRN <i>M. Joseph</i> 27 MAR 1979	FIRST USED ON <i>11X44</i>
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>Booy</i> 7 JUL 79	TITLE DOOR, FRONT, ASSY
DO NOT SCALE DWG	ENG <i>P. B. Birtz</i> 16 AUG 79	SIZE CODE D AD 7017022-0-0
MATERIAL <i>SEE PARTS LIST</i>	PROJ. ENG. <i>K. G. ...</i> 8/14/79	NUMBER 1
FINISH <i>---</i>	PROD. <i>AD 7017022-0-0</i> 8/14/79	REV. 350
	NEXT HIGHER ASSY.	
	E-AD-7017023-0-0	
	SCALE 1/2	
	SHEET OF DIST	

AUTOMATED BY PRTIST,31.(31)

PARTS LIST

SHEET A1 OF A1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
1	1	D-1A-7017021-0-0	7017021-00	DOOR, FRONT(WELDMENT)	1
2	2		1216223-00	PIN, DOOR HINGE	1
3	3		1216225-00	SPRING, HINGE 1.54LG	1
4	4		1212972-06	FASTENER, QUARTER TURN W/RECESSED	1
5	5		1212972-03	GROMMET HALF FOR 1/4 TURN FASTEN	1
6	6		9000500-00	RING, RETAINING .500 O.D. X.423	1
7	7		1213756-12	GROUND STRAP	1
8	8		9000007-01	SCREW, PAN, PHIL, 10-32X 1/4 S	1
9	9		9006635-00	WASHER, LOCK, INT, .3100D X .200ID	1
10	10		3613272-00	LABEL, ADH BACK, MILAR CAP	1

REVISION HISTORY			BASIC PART NO: 7017022		DRN: MICHAEL JOSEPH		DATE: 14-AUG-79		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: DENNIS HEALY	DATE: 14-AUG-79	TITLE PARTS LIST				
---	INITIAL	*	SECTION, VARIATION INDEX	DES, ENG, PHIL BARTH P.B.	DATE: 14-AUG-79	DOOR, FRONT, ASSY				
			(A) 00	RESP, ENG, KEN BANKER K.B.	DATE: 14-AUG-79	DOCUMENT NUMBER				
			(B)	MFG, ENG, AL TSHUDY	DATE: 14-AUG-79	SIZE	CODE	NUMBER	REV	
			(C)	ASSEMBLY NUMBER: D-AD-7017022-0-0	TOP DOCUMENT NUMBER: D-AD-7017022-0-0	K	PL	7017022-0-0BP	*	
			(D)					FILE NAME: 20555.PLS	EDIT: 8	
			(E)	"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1979, DIGITAL EQUIPMENT CORPORATION"						
			(F)							

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION 00
1	1	E-IA-7422666-0-0	7422666-00	COVER,REMOVABLE TOP	1
2	2	D-MD-7422645-0-0	7422645-00	BRKT,TOP COVER	2
3	3	D-IA-7422661-0-0	7422661-00	VENT,REAR	1
4	4	D-MD-7422646-0-0	7422646-00	BRACKET,REAR VENT	1
5	5	C-MD-7422653-0-0	7422653-00	BRKT TRIM STRIP SUPPORT R.H.	1
6	6	C-MD-7422653-0-0	7422653-01	BRKT TRIM STRIP SUPPORT L.H.	1
7	7	C-IA-7422654-0-0	7422654-00	STRIP,TRIM	2
8	8		9006565-00	NUT,KEP , 10-32X 3/8 AF	12
9	9		9009700-00	SCREW, SEMS, PHILLIPS TRUSS HD 1	4
10	10		9006070-02	SCREW,FLAT,PHIL, 10-32X 5/16	2
11	11		9006664-00	WASHER, FLAT, .437 OD X .218 ID	14
12	12		9006610-00	NUT,CAP , 10-32 X7/16AF REL	4
13	13		9009988-05	SCREW, SEMS, SLOTTED HEX HD 10-	4

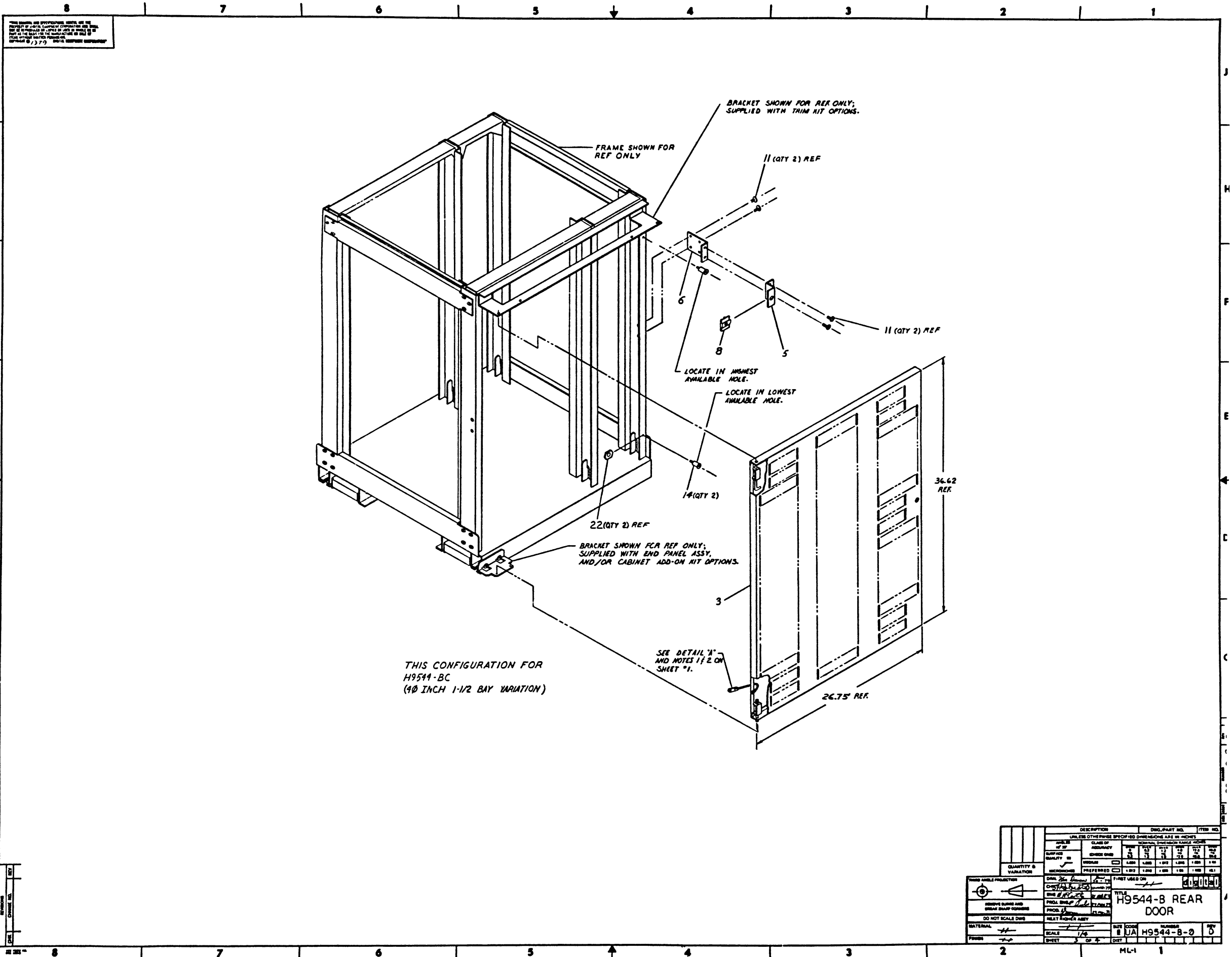
REVISION HISTORY			BASIC PART NO: 7017025			DRN: MICHAEL JOSEPH			DATE: 14-AUG-79			D I G I T A L				
ENG	ECO NUMBER		REV	SECTION A OF A												
---	INITIAL		*	SECTION, VARIATION INDEX			CHK'D: D. HEALY			DATE: 14-AUG-79			TITLE PARTS LIST			
KB	TW003		A	[A] 00									COVER KIT, ROTATING BOX			
				[B]			DES.ENG.: PHIL BARTH			DATE: 14-AUG-79						
				[C]									DOCUMENT NUMBER			
				[D]			RESP.ENG.: KEN BANKER			DATE: 14-AUG-79						
				[E]			MFG.ENG.: AL TSHUDY			DATE: 14-AUG-79			SIZE	CODE	NUMBER	REV
				[F]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:						
							E-AD-7017025-0-0			E-AD-7017025-0-0					FILE NAME:	EDIT #
															Z0513.PLS	9
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION																

353

TW

[illegible]

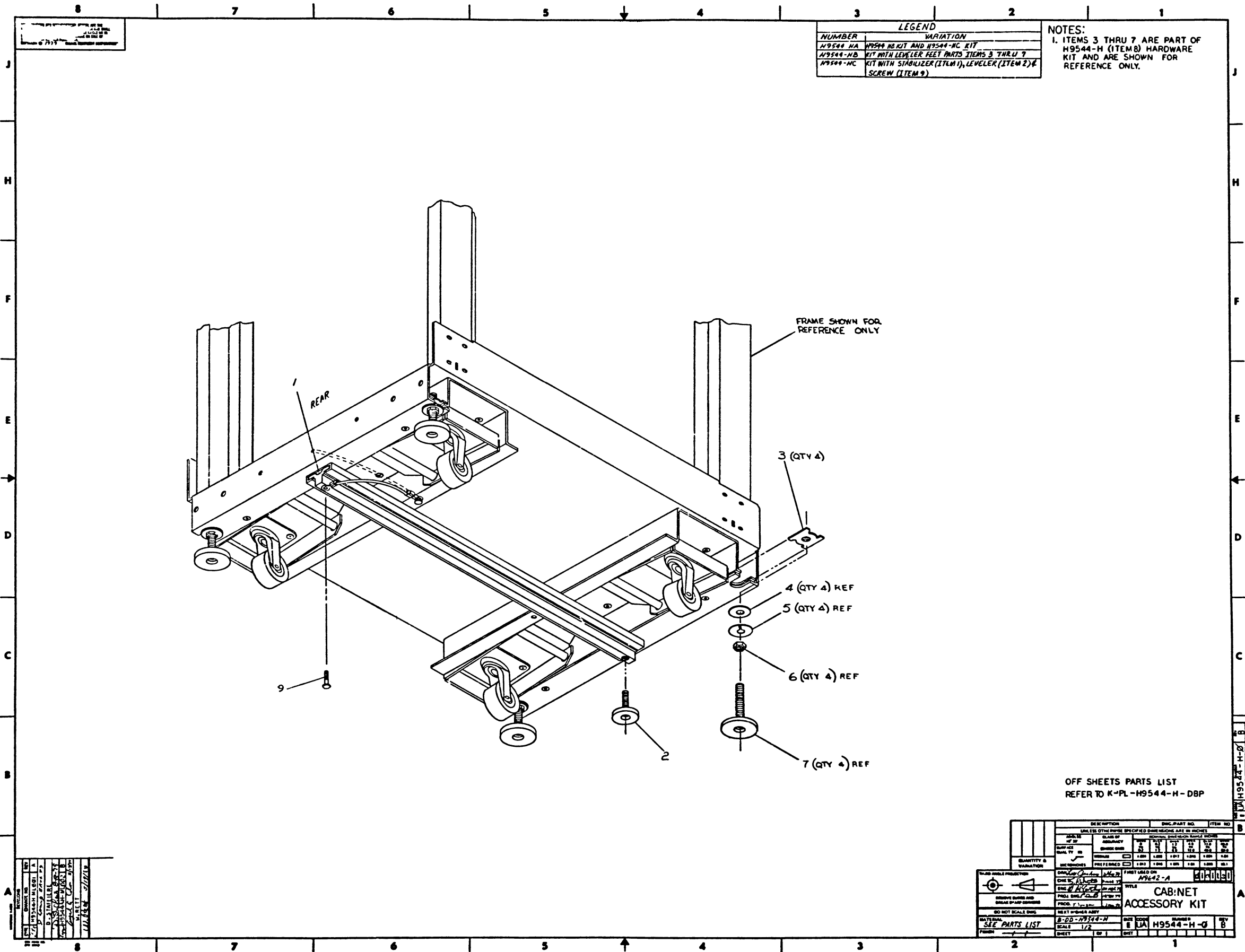
		DESCRIPTION		DRAWING NO.		ITEM NO.																																											
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES																																															
QUANTITY & VARIATION	SCALE OF DRAWING ☒ FULL SIZE ☐ REDUCED	CLASH OF ADJACENCY ☐ NONE ☐ MINIMAL ☐ PREPARED	NOMINAL DIMENSIONS RANGE (INCHES) <table border="1"> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> </table>					0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6
			0	1	2	3	4	5	6																																								
0	1	2	3	4	5	6																																											
0	1	2	3	4	5	6																																											
0	1	2	3	4	5	6																																											
0	1	2	3	4	5	6																																											
0	1	2	3	4	5	6																																											
THIRD ANGLE PROJECTION 		DIMS. SHOWN CHG. <i>1/2" x 1/4"</i> ENG. <i>1/2" x 1/4"</i> PROJ. ENGR. <i>1/2" x 1/4"</i> PROJ. <i>1/2" x 1/4"</i>		PARTS USED ON <i>1/2" x 1/4"</i>																																													
REVISIONS SHOWN AND REVISIONS SHOWN		NO. OF SCALE COPIES 1/2" x 1/4"		TITLE H544-B REAR DOOR		DATE 1/2" x 1/4"																																											
SCALE 1/2" x 1/4"		SHEET 1 OF 1		REVISIONS 1/2" x 1/4"		DATE 1/2" x 1/4"																																											



LINE	ITEM	DOCUMENT	NUMBER	PART	NUMBER	DESCRIPTION	QUANTITY PER VARIATION				
							BA	BB	BC	BD	BE
1	1	E-AD-7016533-0-0		7016533-00		DOOR ASSY,REAR(SINGLE BAY,40INCH	1	-	-	-	-
2	2	E-AD-7016695-0-0		7016695-00		DOOR ASSY REAR(SINGLE BAY,60")	-	1	-	-	-
3	3	E-AD-7016697-0-0		7016697-00		DOOR ASSY REAR(1 1/2 BAY 40")	-	-	1	-	-
4	4	E-AD-7016533-0-0		7016533-01		DOOR ASSY REAR(REAR DOOR W/O FIL	-	-	-	1	-
5	5	C-MD-7422222-0-0		7422222-00		BRACKET,DOOR LOCK	1	1	1	1	1
6	6	C-IA-7422267-0-0		7422267-00		BRKT,DOOR LOCK MTG	1	-	1	1	1
7	7			4700045-00		*** THIS ITEM IS NOT USED ***	-	-	-	-	-
8	8			1212972-02		SPRING,RECEPTACLE FASTENER 1/4 T	1	1	1	1	1
9	9			9007651-00		*** THIS ITEM IS NOT USED ***	-	-	-	-	-
10	10			9007786-00		RETAINER, U-NUT, 10-32	1	1	1	1	3
11	11			9009700-00		SCREW,TRUS,PHIL,SEMS10-32X 1/2	4	4	4	4	6
12	12			9006664-00		*** THIS ITEM IS NOT USED ***	-	-	-	-	-
13	13			9007906-00		*** THIS ITEM IS NOT USED ***	-	-	-	-	-
14	14	B-AD-7016703-0-0		7016703-00		STOP DOOR (REAR)	2	2	2	2	2
15	15	D-AD-7016632-0-0		7016632-00		DOOR ASSY REAR(1 1/2 BAY)	-	-	-	-	1
16	16	C-MD-7422272-0-0		7422272-01		PIVOT BRKT BOTTOM REAR DOOR L.H.	-	-	-	-	1
17	17			2200024-00		*** THIS ITEM IS NOT USED ***	-	-	-	-	-
18	18			2200024-01		*** THIS ITEM IS NOT USED ***	-	-	-	-	-
19	19			9009005-00		NUT,HEX , 10-32 X1/4 AF X 3	-	-	-	-	2
20	20	C-IA-7424014-0-0		7424014-00		BRKT, DOORLOCK MTG	-	1	-	-	-
21	21			9010156-00		SCREW,HEX,SLOT,SEMS10-32X .50	1	1	1	1	1
22	22			9006565-00		NUT,KEP , 10-32X 3/8 AF	2	2	2	2	2

REVISION HISTORY			BASIC PART NO: H9544			DRN: K. DAVAN			DATE: 13-MAR-79			DIGITAL		
ENG	ECO NUMBER	REV	SECTION A OF A											
---	INITIAL	*	SECTION. VARIATION INDEX			CHK'D: S. ROBERTS			DATE: 13-MAR-79			TITLE PARTS LIST		
DS	H9544-B-ML001	A	[A] BA,BB,BC,BD,BE									H9544-B REAR DOOR		
DS	H9646-AC-ML001	B												
WR	H9544-B-ML002	C	[B]			DES.ENG.: W. F. MC CARTHY			DATE: 13-MAR-79					
W.R	H9544-B-ML003	D										DOCUMENT NUMBER		
			[C]			RESP.ENG.: P. DUBE			DATE: 13-MAR-79			SIZE CODE NUMBER		
			[D]									REV		
			[E]			MFG.ENG.: R. CARRIER			DATE: 13-MAR-79			K PL H9544-B-DBP		
			[F]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:		
						E-UA-H9544-B-0						Z0237D.PLS		
												EDIT #		
												19		

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION "



LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION		
					HA	HB	HC
1	1	C-MD-7422204-0-0	7422204-00	EXT FOOT (METAL)	-	-	1
2	2		1216373-02	FOOT,LEVELER 1-3/8 BASE DIA 5/16	-	-	1
3	3		9008878-00	NUT,TEE,IRR,BASE 1/2-13 S/2IN	-	4	-
4	4		9009026-00	WASHER, FLAT, .875 O.D. X .515 I	-	4	-
5	5		9009895-00	WASHER, LOCK, SPLIT, .518 ID X .	-	4	-
6	6		9006596-00	NUT,HEX , 1/2-13X3/4 AF X 7/	-	4	-
7	7		9007601-01	FOOT, LEVELER, CUSHION, 1/2-13,	-	4	-
8	8		2200022-00	HARDWARE KIT FOR H9544-H	-	REF	-
9	9	B-MD-7424417-0-0	7424417-00	SCREW, HEX HEAD	-	-	1
10	10		H9544-HB	KIT OF 4 LEVELERS	1	-	-
11	11		H9544-HC	KIT OF 1 STABILIZER LEG WITH LEV	1	-	-

12 NOTE: ITEMS 3 THRU 7 ARE PART OF H9544-H HARDWARE KIT AND ARE
13 NOTE: LISTED FOR REFERENCE ONLY

REVISION HISTORY			BASIC PART NO: H9544		DRN: LISE GRAHAM		DATE: 02-MAR-79		DIGITAL			
ENG	ECO NUMBER	REV	SECTION A OF A									
---	INITIAL	*	SECTION, VARIATION INDEX		CHK'D: S. ROBERTS		DATE: 02-MAR-79		TITLE PARTS LIST			
DS	H9544-H-ML001	A	[A] HA,HB,HC						CABINET ACCESSORY KIT			
WR	H9544-H-ML002	B										
			[B]		DES.ENG.: W.F. MC CARTHY		DATE: 02-MAR-79					
			[C]						DOCUMENT NUMBER			
			[D]		RESP.ENG.: P. DUBE		DATE: 02-MAR-79					
			[E]		MFG.ENG.: R. CARRIER		DATE: 02-MAR-79		K	PL	H9544-H-DBP	B
			[F]		ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #	
					E-UA-H9544-H-0				Z0241B.PLS		10	
THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION												